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MARCH 16, 1279

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1908. Vol. XLII.

LONDON, SATURDAY, MARCH 16, 1872.

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
NO. 1, FINOH LANE, CORNHILL.
(ESTABLISHED 1842.)
HOLDERS of mining shares DIFFICULT OF SALE in the open market may find
purchasers for same through Mr. GROFTS' agency.
Every description of shares bought and sold at NET prices.
Recommended for early purchase—WEST CHIVERTON, PENNERLEY and WEST

Recommended for early purchase—11 222

TANKERVILLE.
The remarks in the Journal upon current shares will be resumed next week.

Daily Price-List on application.

Bankers: Metropolitan Bank.

Bankers: Metropolitan Bank.

M. B. W. H. B U M P U S, STOCK AND SHARE DEALER,
44. THREADNEEDLE STREET, LONDON, E.C., has FOR SALE the
following SHARES, free of commission:—
10 Anglo-Argent, 16s.
10 Anglo-Argent, 16s.
10 Bast Bottle Hill, £23/
20 Branco Corek, £4/4.
20 Bwadrain Consols.
21 Birdascy Creek, £4/4.
20 Bwadrain Consols.
21 Bornfloyn, 18s. 9d.
20 Carg Camborne, £1/4.
21 Carg Bras, £163/4.
22 Carg Camborne, £1/4.
23 Don Petro, £2/4.
24 Don Petro, £2/4.
25 Don Petro, £2/4.
26 Don Petro, £2/4.
27 Death Caradon, £4/8.
28 Don Petro, £2/4.
29 Don Petro, £2/4.
20 Death Caradon, £4/8.
20 Death Caradon, £4/8.
20 Death Caradon, £4/8.
20 Death Caradon, £4/8.
21 Den Petro, £2/4.
22 Parys Mount, £3 18 3d.
23 Perkins Beach, 27s.
24 W. H. B. transacts business in every description of shares at the best market prices, and free of commission.

, and free of commission. Bankers: National Provincial Bank of England, E.C.

MB. Y. CHRISTIAN, STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, E.C.
Bankers: Bank of England.

B. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. brydescription of shares BOUGHT and SOLD at the best market prices.

MR. T. A. MUNDY, STOCK AND SHAREBROKER,
38, BISHOPSGATE STREET WITHIN, E.C.

Bankers: City Bank.

E D. W. A. R. D. B. R. E. W. I. S. A. N. D. C. O.,
Beyer description of shares bought and sold at best prices.
Bankers: The Alliance Bank (Limited), London, E.C.

MINING PRIZES FOR 1872. MATTHEW GREENE, PINNER'S HALL, LONDON, recommends shares in the Van Consols Lead, West Jewell Tin Mins, and the Cathedral Tin and Copper Mine, all fully paid up, for a great rise in prices. Particulars on application.

Bankers: Bank of England, and Tweedy, Williams, and Co., Redruth.

TO INVESTORS.

TO INVESTORS.

M INE SHARES FOR SALE, FOR CASH.—
They will only be sold in lots. Offers wanted for those not priced.

LOT 1.—112 WEST GREAT WORK.

, 2.—104 NANGILES.

, 3.—105 RAST CHIVERTON.
, 4.—115 TAQAURIL. 5s.
, 5.—102 NORTH LOVELL.
, 6.—100 WILLOUGHBY.
, 7.—105 BRONFLOYD, £214.
Address to John A. Redhead, Esq., Solicitor, 60, Lincoln's Inn-fields, London, W.C.

MESSES. SANDY AND CO., STOCK AND SHAREDEALERS, No. 2, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C. Established Twelve Years.

Business transacted in every description of Stocks and Shares at the closest market prices, and advice given as to the safest and profitable channel for investment or apeculation.

Business rices, and advice given as we warket prices, and advice given as we want or speculation.

Daily Price-List on application.

Daily Price-List on application.

MESSRS. HOOK AND SHAREDRALERS,
LIFE, FIRE, AND MARINE INSURANCE AGENTS,
9, UNION COUET, OLD BROAD STREET, E.C.

Messrs. Hooke and Co. are prepared to execute with punctuality and dispatch commissions for the sale, transfer, or purchase of any stocks or shares which they may be favoured with. Being in constant communication with many of the most experienced mineralogists of the day at home and abroad, they are in a position to give valuable and exclusive information on mining matters.
Cilents subscribing One Guinea can have prompt and reliable information as to the value, status, and prospects of legitimate mining and other investments in the United Kingdom and elsewhere.
FOR SALE: -20 New Rosario, &1 5s.; 25 Thornbill Reef, £1 7s. 6d.; 20 New Beldon; Ciliton, Prince of Wales, Willoughby; 50 Cefn-y-Guntia; 100 Cuinba; 20 Cwm Dwyfor; 20 West Jewell; Lisbon Tramways; 5 East Bottle Hill; King, Queen, and Virtuous Lady shares.
WANTED.—Aberdauannt, 200; Terras, 100; and East Llangynog, 20 shares.
Also a lted Homatite Sett.
OFFERS WANTED for King, Queen, and Virtuous Lady shares.

MESSERS. WM. MARLBOROUGH AND CO., 29, BISHOPSGATE STREET WITHIN, LONDON, E.O. (Established IT years), have FOR SALE the FOLLOWING SHARES at prices annexed:—8 do annexed:—9 do annexed:—

M. R. GEORGE BUDGE, STOCK AND SHAREDEALER,
No.4, ROYAL EXCHANGE BULDINGS, LONDON, E.C. (Established
127 years), is a Sellier at net prices of:
826, 641, 59 West Basect, 816%; 18 South Condurrow, 2634; 25 Bwich Consols,
828, 641, 59 Kest Chiverton; 25 West Lucy, 2334; 45 Van Consols; 5 Marke
90 Bwadraiu Consols, 30s.; 4 Wheal Basect, £110; 15 Tankerville, £19;
80 Bwadraiu Consols, 30s.; 4 Wheal Basect, £110; 15 North Crofty; 180 West
Walls, 140; 26 Carebor, 21s.; 100 South Great Werk, 17s.; 1 Devon Great
Walls, 160; 260 Crebor, 21s.; 100 South Great Werk, 17s.; 1 Devon Great
Hull; 52 West Jewell; 5 Van, £49; 1 Carm Brea, £145; 75 Nanglies; 27 Treleigh
Wood; 28 West Jewell; 5 Van, £49; 1 Carm Brea, £145; 75 Nanglies; 27 Treleigh
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Wood; 28 West Jewell; 58 Van, £40; 100 Sweetland Creek, £3 17a.; 500 Sauch Cardon, £40; 100 Sweetland Creek, £3 17a.; 500 Sauch Cardon, £40; 100 Sweetland Creek, £3 17a.; 500 Sauch Cardon, £40; 100 Sweetland Creek

WATSON, STOCK AND SHAREDEALER, 79, OLD BROAD STREET, LONDON, E.C. Bankers: The Alliance Bank, and Union Bank of London.

WEEKLY MINING CIRCULAR, EVERY FRIDAY,-VV LONDON DAILY RECORD, STOCK & SHARE LIST, Every Evening Published by P. WATSON, Stock and Sharedealer, 79, Old Broad-street, E.C.

M R. A L F R E D E. C O O K E

(Son and Successor to the late Mr. EDWARD COOKE),
76, O L D BROAD STREET, LONDON, E.C.

Dealer in Tankerville, West Tankerville, Roman Gravels, South Roman
Gravels, Pennerley, Bog, Van Consols, Groat Laxey, Great' North Laxey, West
Chiverton, South Carn Brea, Hingston Down, Gawon, Frank Mills, and nearly
all British or foreign mines, raliways, and foreign stocks.

Bankers: Alliance Bank (Limited).

MR. C. POWELL, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C.

EDWARD P. RICE, STOCK AND SHAREDEALER, 77, OLD BROAD STREET, LONDON, E.C. Every description of shares bought and sold at the best market prices, for cash or account.

Bankers: City Bank.

MR. C. A. POWELL, STOCK AND SHAREDEALER,
1, PINNER'S COURT, OLD BROAD STREET, E.C.
Buyer or Selier of all Securities currently dealt in, at market prices net.
SPECIAL BUSINESS in Dunsley Wheal Phonix, East Basset, East Llangynog, North Treskerby, and Utah.
Bankers: City Bank.

MR. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S. E.C., LONDON, transacts business at net prices in every description of security. Parties wishing to Transact Business in the following are requested to com-

MINERA.
NORTH POOL.
NEW LOVELL.
ROSEWALL HILL & RANSOM.
SOUTH DARREN.
SOUTH BOMAN GRAVELS,
SWERTLAND CREEK.
TAQUARIL
WEST CHIVERTON,
WEST GODOLPHIN.
WEST GODOLPHIN.
WEST GONTY. GO.
WHEAL UNY.

municate:

BOG.

BWLCH CONSOLS.

CAFARTHA.

CRENVER AND ABRAHAM.
CAERPHILLY COLLIERY.
DRAKE WALLS.
EAST BASSET.
EAST BASSET.
EAST BOWN.
EAST LOVELL.
FRANK MILLS.
GORSEDD & CELYN LEVEL.
HOBB'S HILL.

*SNORTH POOL.—In the engine-shaft the appearance of the rock is exceedingly favourable, and the agent in his report is confident of cutting a good lode deeper. Raliarat—see agent's report this week. These shares should be grechased. Also, South Merlyn, Frank Mills, Gorsedd and Celyn Level, and East Seton.

MESSRS. W. DUNN AND CO., STOCK AND SHARE-DEALERS, 3 AND 4, GREAT WINCHESTER STREET BUILDINGS, LONDON, E.C. Bankers: National Provincial Bank of England.

Bankers: National Provincial Bank of England.

FOR SALE, at prices annexed, free of commission:

25 Blaen Caelan, £1 5s.
20 Bog, £2 15s.
20 Camborne Yean.

15 Cashwell, effer wntd.
50 Cathedral, £1 2s. 6d.
50 Ding Dong.
55 Earst Eton, £1 10s. 6d
5 East Lovell, £17 15s.
10 Gawton, £5 12s. 6d.
20 Fennerley, £4 6s. 3d.
20 Fennerley, £4 6s. 3d.
20 Gt. No. Lazey, £1 5s.
20 Hings. Down, £3 12s.
20 Good Condurrow, £6.
21 17s. 6d.
22 Wh. Kitty (St. Ag.),
23 17s. 6d.

MR. HENRY MANSELL, STOCK AND SHAREDEALER, 14, GREAT WINCHESTER STREET, LONDON, E.C. ALLT-Y-CRIB SILVER-LEAD MINING COMPANY (Limited).—From the important improvements just reported from this mine, Mr. II. M. strongly recommends the immediate purchase of shares (fully paid) for a rise of four or five times their present quotations, viz.—£217s. 6d. each, and can offer 50, or part of same.

References exchanged.

M. R. JOHN RISLEY, (SWORN) STOCK AND SHARE BROKER, 77, CORNHILL, LONDON, E.C.

The Tin Mines that will in all probability advance in market values 200 per cent. during the present year are Treleigh Wood, New Rosewarne, North Rosewarne, Wheal Grenville, Wheal Luey, and West Luey. Treleigh Wood Mine, the great prize of 1872. These shares will be worth, in all probability, £300 per share within two years' time.

NOTICE.

Now ready, price One Shilling, \$\(\xi\) \$\(\xi\)\$ \$\(\xi\)\$ What T TO SELECT— WHAT TO AVOID.—

All interested in British and Foreign Mines will gain valuable, original, and trustworthy information by its perusal. FREDERICK WM. MANSELL is induced to publish this enlarged edition at the solicitations of his numerous patrons, and also by the flattering remarks expressed by the commercial and financial press relative to the first edition.

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1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C. Who has had Twenty-seven Years' Experience in the Mining Market.

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15 Alll-y-Crib, £27%.
20 Assheton, £2 18s. 9d.
20 Bronfloyd, 58s. 9d.
21 0 Wheal Lucy, £43s.
20 Bronfloyd, 58s. 9d.
21 0 Wheat Lucy, £23s.
21 0 Wheat Lucy, £23s.
22 Edgs, 58s. 6d.
23 0 Cardebeck Felle, 23s 3d.
24 West Frances, £3s.
25 Cardebeck Felle, 23s 3d.
26 Edgs, 14s. 6d.
27 Prince of Wales, 18s. 9d.
28 Edgs, 14s. 6d.
29 Prince of Wales, 18s. 9d.
20 E. Bottle Hill, off. w.
20 Pacific 54s. 6d.
21 Utah, £47s.
22 Unity Wood, 22s. 3d.
24 West Basset, £18s.
25 Plynlimmon, 22s.
25 Unity Wood, 22s. 3d.
26 Gt. No. Laxey, 23s 6d.
26 Gt. No. Laxey, 23s 6d.
27 Special Condon and Westminster.

ENOR SALE. AND IMMEDIATE DELIVERY.

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EACH NET CASH.

20 Gen. Brazilian (fully
paid, £1), 8s.
1 Dolooath.
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1 Devon Consols.
20 Grean North Laxey.
WANTED FOR CASH.—5 Margaret, at £15; 4 East Baset, £26; 20 Agar, at £2; 2 St. Ives Consols; 25 Nanglies; 50 South Great Work. Lowest prices to be stated, each net.
Apply to J. Bishop and Co., 32, Nicholas-lane, Lombard-street, London, E.C.

M R. C H A R L E S T H O M A S MINING AGENT, 3. GREAT ST. HELEN'S, LONDON, R.C.

M ESSRS. A. W. THOMAS AND CO., 10, COLEMAN STATE B.C., MINING AGENTS, AND STOCK AND SHAREDE Monthly Circular for March now ready; post free, 6

MESSRS. A. W. THOMAS AND CO. have BUSINESS.

Aberdaunaut. West Lucy. West Godolphin. South Condurrow. East Lovell. Van Consols. Bog. Bog. Hobbs Hill. Carn Brea. W. Kitty (St. Agnes).

M ESSRS. G. LAVINGTON AND A. PENNINGTON,
44, THERADNEEDLE STREET, E.O., STOCK AND SHAREDEALEAS
bave BUSINESS in the undermentioned:—
Birdseye. Mary Ann.
Eberhardt. Marke Valley.
Eclipse. Kitty (St. Agnes). Pennerley.
Van. Parys Mountain.
Parties wishing to purchase or sell in the foregoing are requested to make

arly application.

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TO INVESTORS.-NOW READY.

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AVINGTON AND PENNINGTON'S "MONTHLY RECORD
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MESSRS. SHARP AND CO., STOCK AND SHAREDEALERS, 33, POULTRY, LONDON, E.C.,

Established 1852.

Have BUSINESS, as BUYERS and SELLERS, in the following MINES:
Advice to INVESTORS and SHAREHOLDERS, and RELIABLE INFORMATION given upon the following and other Mines:—
SHROPSHIRE AND WELSH MINES ("LIMITED").

Perkins Beach. Plynlimmon. Penneriey. Bronfloyd. Roman Gravels. South Roman Gravels. Willoughby. West Fankervine.

DEVON AND CORNISH MINES (Cost Book System),
West Great Work.
Devon Great Cousols.
Trumpet Cousols.
Providence.
Wheal Grenville.
Wheal Grenville.
Great Laxey.
Marke Valley.

Wheal Grenville. Great Laxey. Marke Valley.

FOREIGN MINES ("LIMITED").

Bierra Buttes. Eberhardt & Aurora.
Cape Copper. South Aurora. Taquiril.
Colorado Terrible. Camp Floyd. Pacific.
Don Pedro. Et. John del Bey. United Mexican.
Utab. Sweetland Creek. Tuolumne.
SHARES WANTED—200 Van Consols, 200 Pennerley, 50 Rast Van, 3 Dolcoath, 1000 Nanglies, 21½; 500 West Great Work, 21½; and 50 Roman Gravels, Sellers must state number and price for eash.
Bankers: London and Westminster. Lothbury. London, E.C.

MR. T. E. W. THOMAS, STOCK AND SHAREDEALER, 3, GREAT WINCHESTER STREET BUILDINGS, E.C. Established 1857.
Beference: Agra Bank.

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C. All marketable stocks dealt in for cash or account.

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Business transacted in Banks, Railways, British and Foreign Stocks, Docks,
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Devon Great Consols.
Devon Great Consols.
North Roskear.
Tankerville.
Doleoath.
North Roskear.
Raat Baseet.
Oid Bottle Hill.
Eberhardt.
Parys Monntain.
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BARTLETT and CHAPMAN sends, free by post, copy of their "Investment Circular," giving full information respecting every class of investments.
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application.
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THE QUEEN, KING, AND VIRTUOUS LADY.

THE QUEEN, KING, AND VIRTUOUS LADY.

Better late than never. These mines are—the trio—now turning out the great ancesses predicted by Mr. Barnard, who is in a position to supply shares at the lowest prices, and guarantee a minimum dividend of 20 per cent. per annum upon the investment. The only mines in England making monthly sales of silver, tie, and copper.

JOHN KEANE AND CO., STOCK AND SHAREBROKERS, 32, GREAT ST. HELEN'S, LONDON, E.C., Transact business in all descriptions of British and Foreign Stocks, Railway, Bank, Telegraph, Gas, and Mining Shares at the closest market prices, cliber

for each or account.

Reliable information given with regard to all home and foreign mines on application. Mineral properties inspected, and working plans and sections of mines accurately prepared.

ecurately prepared.

Bankers: The London and Westminster Bank, Lothbury, E.C.
Telegrams promptly attended to.

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DEALERS, 95, BISHOPSGATE STREET WITHIN, LONDON, E.C.,
Every description of stocks and shares bought and sold at the closest net prices,
for cash or account. Wire messages receive immediate attention. References

exchanged.

Messrs, WARD and LITTLEWOOD recommend the purchase of shares in the Vron United Silver-Lead Mine Company (Limited); also, New Hendra Tiu SOUTH MARGARET (in 100 shares of £10 ench). W. and L. have a few shares left in this promising mine. Apply at once before the list is closed.

500 BLAKE'S PATENT ORE-CRUSHERS catalogues, apply to-Mr. H. B. MARSDEN, SOHO FOUNDRY, LEEDS,

Only maker in the United Kingdo

MR. JOHN: CARTER, MINE AND SHARE DEALER, CAMBORNE, CORNWALL (Son of the late Thos. Carter), transacts Business in every description of shares at close market prices of the day.

References exchanged when required,

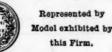
BICKFORD'S PATENT



CHARGE IN Obtained to PRIZE MEDALS at the "ROYAL EXHIBITION" of 1851; a she "INTERNATIONAL EXHIBITION" of 1862; in London; at the "IMPERIAL EXPOSITION" held in Paris, in 1885; at the "INTERNATIONAL EXHIBITION," in Dublin, 1885; at the "UNIVERSAL EXPOSITION," in Paris, 1867; and at the "GREAT INDUSTRIAL EXHIBITION," at Altona



and Practical Success
of Engines



HARVEY AND CO. ENGINEERS AND GENERAL MERCHANTS, HAYLE, CORNWALL,

AND HAYLE FOUNDRY WHARF, NINE ELMS, LONDON CITY OFFICES (GRESHAM HOUSE), 281/4, OLD BROAD STREET. MANUFACTURERS OF

PUMPING and other LAND ENGINES and MARINE STEAM ENGINES of the largest find in use, SUGAR MACHINERY, MILLWORK, MINING MACHINERY, and MACHINERY IN GENERAL. SRIPBUILDERS IN WOOD AND IRON.

BECONDHAND MINING MACHINERY FOR SALE,

IN FIRST-RATE CONDITION, AT MODERATE PRICES.

PUMPING ENGINES; WINDING ENGINES; STAMPING ENGINES
STEAM CAPSTANS; and CRUSHIERS of various sizes. BOILERS
PITWORK of all descriptions, and all kinds of MATERIALS required
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THE PATENT PNEUMATIC STAMPS May be SEEN AT WORK at HAYLE FOUNDRY WHARF, NINE ELMS, by previous application at either of the above addresses.

LETTERS



PATENT.

THOS. BORLASE'S PATENT METALLIC ORE-DRESSING MACHINE.

ADVANTAGES,
GREAT SIMPLICITY and ECONOMY of CONSTRUCTION and operation.

The staff is taken direct from the stamps.

Kino-tenths of the tin or other mineral treated is saved at the first washing. The superintendence and attention required is the least possible.

The untive power necessary is very trifling.

LEAD ORES.—Four-fifths will be made fit for the market by one washing.

TIN ORES.—Four-fifths are cleaned into whits with one washing.

Dressing floors can be laid out in shorter time and much more economically han with ordinary appliances.

Upgards of five-sixths of the labour cost for dressing is saved.

EXTRACTS FROM TESTIMONIALS.

From Capt. RICHARD BLIGHT, Creesbraws and Penkevil United Mines, near Chacewater, February 19, 1872.

I have seen the tin-dressing machine work at North Roskear Mine, and fear-lessly say it is the best machine I ever saw. I do not bestate to say it saves nine-tent's of the tin directly it passes over it, and eight-tenths of the tin is saved into white at page. saved into whits at once

From Capt. John Old, Breage, February 22, 1872:—
I have inspected Borlaso's patent revolving metallic ore-dressing machine a
North Roskear Mine, and am pleased to say that I have a very high optain o
it as a complete separator. I tried the roughs and slimes after it left the sepa
rator, and found it to be very poor. This testing of the machine was very satis
factory to me, and I can with confidence recommend it.

From Capt. RIGHARD PEARCE, Doleoath, March 2, 1872:—

I have seen your machine for dressing the ore working at North Roskear, and m pleased with the simplicity of its working, and it seems to separate its work revewell.

very well.

From Capt. Anthony Johns, North Roskear, March 4, 1872:—
I have worked your dressing machine, and I find it will do its work as a separator and cleaner admirably. The whits for burning are very good, and the roughs which pass over it are very poor. I have great confidence in recommending it, as it saves much manual labour.

From Capt. John Reynolds, Cook's Kitchen, March 4, 1872:—
I called at North Roskear Mine to-day, and saw your new tin-dressing machine at work. I vanued the different divisions of roughs and slime as classified by the machine, and found them highly satisfactory. I believe it to be the foundation of a method for dressing tin which must, sooner or later, come into general use.

eratuse. From Mr. F. Pascoe, tin dresser, Tuckingmill, March 4, 1872:— It will do for any class work; for slimes it is first-class. It is equal to four imes buddling by passing over this machine once.

From Mr. S. N. Stephens, tin dresser, Great Wheal Fortune, March 5, 1872; I have seen Mr. Borlase's patent machine in full operation at North Roskear Mine, and I willingly bear testimony to its efficiency for cleaning tin ores—in fact, it makes the best separation in ore vauning I ever saw, either in this country or in America.

THE MACHINE CAN BE SEEN AT WORK AT NORTH ROSKEAR MINE, CAMBORNE, and all further particulars may be obtained

THE TUCKINGMILL FOUNDRY COMPANY, CAMBORNE, CORNWALL,

The SOLE MANUFACTURERS of BORLASE'S IMPROVED PATENT PUL-VERISERS and ORE-DRESSING MACHINES, to whom all orders must be sent.

THE PATENT SELF-ACTING MINERAL DRESSING MACHINE COMPANY (LIMITED).

T. CURRIE GREGORY, MINING ENGINEER. OFFICES,-62, ST. VINCENT STREET, GLASGOW

This company grants licenses, under their patents, for the use, singly or in combination, of the most approved machinery for dressing ores, comprising Btamps, Jiggers, Side-blow Porcussion Tables, Classifiers, and Buddles.
The whole in combination are in successful operation at Rhoswydol Mines, Machynlieth, and the Bog Waste, Shropshire.
The Jiggers are largely used at the Vau, Caldbeck Fells Mines, and at many mines, with unqualified success.
Self-acting Floors are in course of construction at various Mines in England and Scotland, regarding which Mr. Gregory will be pleased to give information, answer all enquiries, and give orders for inspection.
He is prepared to give designs and estimates for the supply of Machinery, and for the laying out of Floors.
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Messrs. WILLIAMS, Perran Foundry Company, Cornwall, for Cornwall West of Truro.

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Mr. GEORGE GREEN, Engineer, Abertystwith, for the shires of Pembroke, Carmarthen, Cardigan, Radnor, Merioneth, Carnarvon, part of Montgomery, Flint, Denbigh, and Anglosea.

Messrs. EASTON AND TATTERSALL, Leeds, for part of Montgomery-shire, Cheshire, Shropshire, Derbyshire, Staffordshire, Iale of Man, and

shire, Cheshire, Shropshire, Derbyshire, Standiushire,
Yorkshire south of Ripon.

Mesers. PATTISON, DAYIDSON, AND SPENCER, Hexham, for Northumberland, Cumberland, Westmoreland, Durham, and part of Yorkshire north of Ripon.

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All are licensed to make for Foreign Parts.

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Patients attend at 227, Gray's Inn. road, King's Cross, on Mondays and Thursdays, and at 10, Mitre-street, Aldgate, on Wednesdays and Fridays. Mornings at Ten; evenings from Six till Nine.—Average number of cases under treatment, 1000 weekly.

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HIBBERT'S PATENT ANTISEPTIC, for stamping out Small Pox, Cholora, Fever, and all Fermentive Inflammatory Diseases. May be obtained through any Chemist, in bothes, price 1s. 1% d., and upwards. W. HIBPP \a,Chootham Manchester.

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PERFORATED PLATES,-For Trommels, Jigging Sieves, and

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THE SANDYCROFT FOUNDRY AND ENGINE WORKS COMPANY (LIMITED), AND ENGINE WORKS ARE NOW MANUFACTURING CRUSHER ROLLS of PECULIARLY HARD and TOUGH METAL, and are OPEN to UNDERTAKE the SUPPLY of ANY PATTERN REQUIRED.

Prices and particulars of the above, and of every description of Mining Engines, Boliers, Forgings, Pitwork, Water Wheels, Crushing, Dressing, and Amalgamating Machinery, and Mining Tools of all kinds, &c., &c., may be obtained on application at the works of the company,

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MAY BE SEEN AT WORK AT GREAT DARREN MINE, NEAR ABERYSTWITH.

NOTICE .- STEEL AND IRON RAILS.

THE CONTRACTORS AND ENGINEERING AGENCY THE CONTRACTORS AND ENGINEERING AGENCY are now prepared to MAKE CONTRACTS for the EARLY DELIVERY of STERL and IRON RAILS, SWITCHES, and CROSSINGS to specification. FOR SALR, several lots of slightly defective RAIL. Also, several new and second-hand LOCOMOTIVES, from 8½ in. 02 in. equinders; COAL, BALLAST, TIP WAGONS, and COLLIERY COAL TRAMS; HORIZONTAL, VERTICAL, and PORTABLE ENGINES; PUNCHING, SHEARING, DRILLING, SCREWING, SLOTTING, SHAPING, PLANING, and SAWING MACHINES; LATHES, CRANES, LIFTING JACKS, MORTAR MILLS, BOILERS, WEIGHING MACHINES, CANT and WROUGHT-IRON TANKS, PUMPS (especially adapted for Mines), VICES, BRIGHT SHAPTING and MINERS TOOLS of the newest patterns and best makes; CRUCIBLE CAST-STEEL and MALLEABLE RRON CASTINGS; STERL, RRON, and GALVANISED WIRE, for cables, rope, telegraphs, &c.; GALVANISED and CORBUGATED IRON, for houses, roofing, fencing, &c.

roofing, fenefng, &c.
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W. BENNETTS, having had many years' experience as chief engineer with Measrs. Bickford, Smith, and Co., is now enabled to offer Fuse of every variety of his own manufacture of best quality, and at moderate prices. Price Lists and Sample Cards may be had on application at the above address

IMPORTANT ANNOUNCEMENT. RE-OPENING OF THE TAVISTOCK ROPE-WALK.

HENRY MAY (from the Teat's Hill Ropery, Plymouth) begs to inform the Proprietors, Mine Agents, Pursers, and Managers of the various Mines in the Tavistock and Cornwall Districts that he has OPENED the above MINING ROPE WORKS, and hopes by strict personal attention to business, and supplying goods of the best quality at the lowest remunerative prices, to be favoured with their patronage and support.

Dated March 2, 1872.

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SCIENTIFIC WORK FOR THE MILLION. OUTLINES ON GLASS FOR PAINTING MAGIC LANTERN SLIDES.

LANTERN SLIDES.

EDWARD LEE'S PATENT, by means of which the unitiated become their own artists. These outlines on glass can be coloured and thoroughly finished by any person without any previous knowledge of painting, that when thrown on the disc will equal the work of first-class artists.

A book of instructions, beautifully illustrated, post free for Sixpence, giving the receipt by which amateurs can mix their own colours, and thereby save the expensive and in many cases useless colours manufactured by artists' colourmen.

CAUTION.—Any infringements of Lee's patents will be immediately acted upon according to the law made and provided for such cases.

To be had at the reduced price of 2s, per dozon of—

EDWARD LEE AND CO.,

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10, FEATHERSTONE BUILDINGS, HOLBORN, LONDON, W.C.; and 23, SOUTH CASTLE STREET, LIVERPOOL.

THE TRADE SUPPLIED.

F. G. MULHOLLAND'S PATENT PHOSPHORISED PRESERVATIVE ELASTIC ENAMEL COMPOSITIONS

FLASTIC ENAMEL COMPOSITIONS

TOR PREVENTING FOULING ON SHIPS' BOTTOMS
and PRESERVATIVELY COATING EXTERNAL OR INTERNAL TIMBER and METALLIC CONSTRUCTION or every kind.
These invaluable mediums are supplied in a liquid state, of any required tint,
ready for use in all climates. They set almost immediately without smell; cost
less than ordinary colour; their application does not require skilled labour;
two coats produce an effective stain and varnish; they afford absolute protection to timber from dry rot; and being proof against humidity are specially
adapted as glue for joiners' and cabinet-makers' work generally.

Particulars and prices of the proprietors—

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ELECTRIC TELEGRAPH DEPARTMENT.

In this department we beg to call attention to our Specialities for Mines :-

DEATH OR INJURY FROM ACCIDENT, WITH THE CONSEQUENT
LOSS OF TIME AND MONEY,
PROVIDED FOR BY A POLICY OF THE
RAIL WAY PASSENGERS' ASSURANCE COMPANY,
AGAINST ACCIDENTS OF ALL KINDS.

An annual payment of £3 to £6 5s. insures £1000 at death, or an allowance at the rate of £6 per week for injury.

£650,000 have been paid as compensation—
One out of every 12 Annual Policy Holders becoming a claimant each year.
For particulars, apply to the Clerks at the Railway Stations, to the Local Agents, or at the Offices—
64, CORNHILL, and 10, REGENT STREET, LONDON.
WILLIAM J. VIAN, Secretary.

Registration of New Companies.

The following joint-stock companies have been registered:-The following joint-stock companies have been registered:—
ANGLO-BELGIAN GLASS COMPANY (Limited).—Capital 50,000l, in
,000 shares of 5l. each. This company is formed to acquire the Quargeae
lass Works, belonging to Messrs, Lemaigre and others, situate at Courseis,
eligium, to extend the same, and to manufacture glass ware. The subscriber
e-Henry Bales, M.D., 7, Highbury-park South, W., 1 share; A. Menzie,
Leadenhall street, 1; Thomas Maraden, 138, Engliefied-road, Ralington; I.,
Wintersgill, 86, Leadenhall-street, 1; P. J. Lemaigre, Courselies, Belgium,
yellower of the course of the

80; Leonard Reil, Colliceites, Bengium, 60; Jimited).—This company will carry on the business of banking and financial agency, and assist in the propertion of joint-stock companies, &c. The subscribers (who take one share aca) are—Henry Labouchere, 2. Bolton street, St. James's; T. Macnelli, Warwick street, Cockspur-street; Wm. Nash, 2, Suffolk-lane, E.C.; William Riwye, at Throgmorton-street; Frederick Godden, 88, Throgmorton-street, Hon, Philip Stanlope, Queen-square-place, Westminster; J. Staniforth, 29, Princes gate.

SEVILLE, HUELVA, AND RIO TINTO RAILWAY COMPANY (Limited).

Capital 500 600L. in 20.000 shares of 20L each. To construct lines of railing.

SEVILLE, HUELVA, AND RIO TINTO RAILWAY COMPANY (Limited).

—Capital 600,0001., in 30,000 shares of 201 each. To construct lines of railway in Spain from Huelva to Seville, and from La Palma to Rio Tinto. The subscribers take one share each, and are as follows:—Henry Doctsch, Hueln, Spain; William Jones, Middlesborough; Albert Ricardo, 11, Angel-court, Ed. J. F. Plemish, 10, Moorgate-street; James Taylor, Middlesborough; Edwin Clarke, 5, Westminster Chambers; John Chapman, 2, Leadenhall-street.

INTERNATIONAL BANK OF HAMBURG AND LONDON (Limited).—

LONGER 1, 200,0001. In 200,000 shares of 101 each. This is a banking and finance.

Capital 2,000,0001, in 200,000 shares of 10. each. This is a banking and floam association. The subscribers are—Pascoe C. Gipn, 67, Lombard-street, 69 shares; Henry Huth, 10, Moorgate, 100; A. Klockmann, 30, Norfolk-street, 10, H. Park-lane, 150; G. H. Palmer, 11, King's Arms-yard, 200; F. Schwann, 63, Moorgate-street, 100; H. R. Uhthoff, 12, Leadenhall-street, 150; Herman Gwinner, 61, Lombard-street, 50. ner, 6, Lombard-street, 50.

MOSSDALE LEAD MINING COMPANY (Limited).—Capital 20,000!

MOSSDALE LEAD MINING COMPANY (Limited).—Cupital 20,0001, in 4000 shares of 5J. each. It is intended by this company to purchase the less of the North Mossdale, or Coniston Outmore Lead Mine, in Grassington, in the West Riding of Yorkshire. The subscribers (who take one share each) are—W, Blanchard Jerroid, 19, Norfolk-road, St. John's-wood; E. J. Fatruan, Bellsyard, Doctor's Commons; Henry Phillips, 10, Buckington-gate; J. H. R. Calchester; A. T. Oglen, Woodside House, Wimbledon; John Keane, 32, Gruats, Helen's; D. W. Rea, 1e, Christie-road, Hackney.

COLOMBO WHARF AND WAREHOUSE COMPANY (Limited).—Calculated to London, 18,000 shares of 10L each. This company will construct and assets.

COLOMBO WHARF AND WAREHOUSE COMPANY (Limited).—Capital 50,000.; in 5000 shares of 10.6 each. This company will construct quire wharfs, &c., at Colombo, in Ceylon, and carry on business as wharfingen, &c. The subscribers are—H. G. Dunlop, 9a, New Broad-street; George Dunlop, 6, Canute-road, Southampton; J. H. Biow, 9a, New Broad-street; E. A. Flinden, 4, Great Winchester-street-buildings; S. J. Cook, S. St. Mary Axe; J. B. Marh, 182, Blackfrlar's-road; and G. B. Seethman, 92a, Piccadilli, 1920, 1930,

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JOHNSON'S IMPROVED WHITE LEAD COMPANY (Limited),—Capital 10,0001., in 2000 shares of 51. each. This is the conversion of an ordinary private business into a joint-stock; concern. The new company will continue the manufacture of white lead, paints, &c. The promoters are—John Johnson, 10, Earl-street, Camberwell, I share; G. P. Oasfield, Southgate, 100; W. Little, wood, 3, Newton Villas, Avenue-park road, Lower Norwood, 200; H. Wright, 21, Redcross-street, Southwark, 1; J. M. Denton, 42, Paternoster-row, 1; W. A. Nicholls, 2, Carthern Villas, Paternoster, 10, H. Capital, 15, 500, 40, in 1500 shares of 54, each. This company will creet and maintain an hotel at \$6. Lawrence, near Ventnor, in the Isle of Wight. The suscribers are—James G. Osborno, 70, Clapham-road, 15 shares; J. Chesapo, (9) Park, Whitwell, Isle of Wight, 15; James Coape, Isle of Wight, 15; G. H. Botrock, 151, Kennington-road, 5; C. F. Fisher, Wentnor, Isle of Wight, 10; G. C. Linday, 27, Budge-row, 5; R. W. Griffith, 17, Great George-street, S. W., 18, ROCHDALE JOINT-STOCK BANK (Limited),—Capital 500,000, in 50,000 shares of 104. each. This company is formed to take over the businesse the Rochdale Commercial Loan and Discount Company (Limited), and to carpon the general business of a joint-stock bank. The subscribers call of Rochdale are—Joseph Handley, 33, Yorkshire-street, 98 shares; John Howard, 17, Fechurch-street, 63; John Kershaw, 36, Mill-street, 65; William Smith, 41, Millstreet, 59; J. Standington, The Butts, 130; Joseph Rushworth, 55, Sheriff-street, 224; and J. E. Gibbs, Salem House, Twee Idea-freet, 200; LONDON, STREATHAM, AND CROYDON TRAMWAYS COMPANY (Lichard).

224; and J. E. Gibbs, Salem House, Twee laic-street, 20.

LONDON, STREATHAM, AND CROYDON TRAMWAYS COMPANY (Limited).—Capital 69,000L, in 600° shares of 10L cach. To construct and were tramways between Brixton, Wandsworth, Streatham, and Groydon. The sabsorthers (six of whom take one share each) are—W. Heyde, Caterham; G. F. B. nett, Landsdown-road, Wimbledon; F. H. Gilbart, New Wandsworth; C. V. Richerdy, 88, High-street, Croydon; F. Foxon, 231, Brompton-road; P. H. Ellie, Eton Lodge, & Carling; H. C. Holloway, 2, St. Peter's-alley, Cornhill.

WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS, MINING CIRCULAR.

MESSRS. WATSON BROTHERS return their most sincered thanks for the great patronage bestowed and confidence reposed in their firm for nearly 30 years, and to assure their friends and clients it will be their earnest endeavour to merit a continuance of both.

In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, it the "Compenditum of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miner," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, Mr. WATSON Was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Mesra. WATSON BROTHERS have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at presentand, from the lengthened experience of Messra. WATSON BROTHERS, they are emboldened to offer, thus publicly, their best services to all connected with ulnes or the market, as they have for so many years done privately, through the medium of their own Circular.

Messra, WATSON BROTHERS are daily asked their opinion of particular mines, as well as to recommend mines to invest or speculate in, and they five their advice and recommend mines to the best of their judgment and ability, feunded on the best practical advice they can obtain from the mining district, founded on the best practical advice they can obtain from the mining district, but they will not be held responsible, nor subject to blame, if results do so always equal the expectations they may have held out in a property so

WATSON BROTHERS, MINING AGENTS, STOCK AND SHAREDEALERS, &c., 1, Sr. MICHAEL'S ALLEY, CORNHILL, LONDON.

1, Sr. MICHAEL'S ALLEY, CORMILL, LONDON.

OLD BOTTLE HILL,—A large shareholder in this company last week sent a string of questions to the local manager, whose answers are deemed extremely satisfactory. With the machinery in course of erection, he estimates that he can from ground already laid open raises \$\frac{1}{2}\$\text{ to as of tin per month, worth 70\text{000}, at a cost, including agencies, &c., of \$90\text{ showing a profit of \$30\text{ to as of tin per month, or \$50\text{ to 1}\$\text{ a year. He has based his calculations, however, upon the assays made of the loncest quality of tinstuff in the mine—14 lbs. to the ton. But states in explanation, "There is severy reason to expect in opening up new ground, both in the east and west parts of the mine, to lay open ground that will double by produce of that I have stated in my answers to you." In this case, of course, the profits would be more than doubled, and that the estimate of the agent is to low there is reason to bolieve, as the sales of tin made in two years—from De., 1869, to Nov., 1871, when some of it soid at 20\text{ and even 30\text{ per to 1 less that the present price—the amount produced was \$220\text{ l. 10a. 9d. This quantity was raised from the old workings by a few tributers, and returned by a few of stamps, not working balf-time.

SATURDAY .- Active demand for West Basset, Tankerville, Great

SATURDAY.—Active demand for West Basset, Tankerville, Great North Laxey, Van Consols, South Crofty, East Lovell, New Rosewarne, Eelpst, and South Aurora. West Basset, 15 to 16; Tankerville, 18 to 19½; Great North Laxey, 283 to 275, 64; Van Consols, 4 to 4½; South Crofty, 7½; to 77½; East Lovell, 19 to 21; New Rosewarne, 16 to 17; Eelipse, 18s, to 17s.; South Aurora, 2 to 2½; Old Bottle Hill, 12½ to 15; Pennerley, 4½ to 4½; Tincort, 65 to 67½; Carn Brea, 140 to 145; Utah, 4½ to 4½.

MONDAY.—The chief enquiry to-day has been for Van Consols, Tankerville, 18½; 0; South Condurrow, and Pennerley. Van Consols, 4½ to 4%; Tincort, 65 to 67½; Pennerley, 4½ to 4½; New Rosewarne, 18½; 0; South Condurrow, 61½ to 63; Pennerley, 4½ to 4½; New Rosewarne, 18½; 19; South Condurrow, 61½ to 63; Pennerley, 4½ to 43½; New Rosewarne, 18½; 10; 10; 12; West Lucy, 10; 40; 4; South Roman Gravels, 20s. to 27s.; East Van, 7½ to 7½; Gawton, 6½ to 5½; Eberhardt, 10 to 11.

TUSDAY.—Market again active for Van Consols at 4½ to 4½; Old Bottle Hill, 10; 13; Tankerville, 18½ to 19; and Eberhardt, 11½ to 13. Carn Brea, 13½ to 14½; Devon Consols, 100 to 10; East Lovell, 18 to 19; Great Laxey, 16½ to 19; South Conduction, 100 to 10; East Lovell, 18 to 19; Great Laxey, 16½ to 19; North Rosewarne, 70 ½; Parys Mountain, 2½ to 3½; West Tankerville, 3½ to 4½; Lucy, 10 to 11; West Lovel, 10 to 11; West Lovel, 10 to 11; West Lovel, 10 to 11; West Frances, 30 to 5½; West Tankerville, 3½ to 4½; Thurshox.—Satisfully day. Market firm for New Rosewarne, 40 4½; Thurshox.—Satisfully day. Market firm of New Rosewarne, 10 to 19; East Lovell, 18 to 19; Yan Consols, 5½ to 50; Great Vor, 8½ to 5½; East Lovell, 18 to 29; Wheal Kitty (St. Agnes), 101; East Lasset, 15½ to 16½; Yan Consols, 5½ to 5½; to 5½ to 5½; to 8; Cook* Kitchen, 45 to 6½; Great Vor, 8½ to 5½; Cook* Stitchen, 45 to 6; Frankerville, 18½ to 19; Fast Basset, 26 to 28; Pennerley, 4½ to 4½; Gawton, 5½ to 5½; Great Vor, 8½ to 5½; Cook* Stitchen, 45 to 6; Cook* Stitchen, 45 to 6; Cook* Stitchen, 45 to 6; Co

CHLORINE AND HYPOCHLORITES.—A current of gaseous hydrochloric acid, according to the invention of Mr. Tessis Du Motax, of Paris, is passed over peroxide of manganese heated to reduces, by which a first quantity of chlorine is produced. By passing a current of oxygen over the residual gaseous compounds are produced, which give up a second quantity of chloriness passing through vats containing protoxide of manganese and liquid hypechlorites of lime.

Meetings of Dublie Companies.

THE MINING ASSOCIATION.

The fourth annual general meeting of shareholders was held at the offices, Austinfriars, on Thursday,
Mr. J. W. WILLIAMSON in the chair.

Mr. E. ASHMEAD (the secretary) read the notice convening the

Mr. E. ASHMEAD (the secretary) read the notice convening the meeting. The report of the directors stated that although the financial state of the company has not improved since the last general meeting, the directors believe they pany has not improved since the last general meeting, the directors believe they pany has not improved since the position and prospects of the investments are more satisfactory. A year ago, the Australian United Gold Mining Company (in which the Mining Association hold a large interest) was in a critical pany (in which the Mining Association hold a large interest) was in a critical pany (in which the Mining Association hold a large interest on the accounting to raise fresh capital to meet, as well as to carry on the works. This, deavouring to raise fresh capital to meet, as well as to carry on the works. This, however, they fall united Company but to allow the Duke of Cornwall Mine to of the Australian United Company but to allow the Duke of Cornwall Mine to see sold, which was attached to that property in the colony. This leaves the aproof of the value attached to that property in the colony. This leaves the cluster balance after panying off all the liabilities towards the development of that clear balance after panying off all the liabilities towards the development of that clear balance after panying off all the liabilities towards the development of that clear halance after panying off all the liabilities towards the development of the Contral Mine age and to have been to a great extent led to acquire it from an examination of the Anglo-Australian Company's Mine, which is on the same reef. This Association has also a large interest in the Cern Brwyno Lead Mining Company, in Cardiganshire, and it is satisfactory to the directors to draw attention to the report from the manager. Nearly the whole of the present liabilities of this Association is a call due on the shares of the Coff Brwyne, which the directors are quite ready to leave to entirely in the hands of the shareholders as to

The CHAIRMAN said the meeting had been called in pursuance of The CHAIRMAN said the meeting had been called in pursuance of the Articles of Association. The report and accounts which had been submitted informed the shareholders of the financial position of the company. At the present time the company remained in a passive condition, but the question as to the future had occupied the serious attention of the directors. Their principal investments were in the shares of the Australian United and Anglo-Australian Mining Companies and in the Cefn Brwyno Mining Company—they still hoped and believed that even yet the Australian United would come round, while from the Anglo-Australian Mines very favourable advices continue to be received. It was satisfactory to know that for one-half of the property of the Australian United Mining Company—the Duke of Cornwall Mine—people in the colony, who ought to know its value, had paid 14,0001.; and from what had been ascertained, there was no doubt that price was realised in consequence of pany—the Duke of Cornwall Mine—people in the colony, who ought to know its value, had paid 14,000.; and from what had been ascertained, there was no doubt that price was realised in consequence of the favourable opinion entertained of the mines belonging to the Anglo-Australian Company. The Duke of Cornwall, he might add, joined the property of the Anglo-Australian Company. As to the Australian United, Mr. Kitto's report stated that the amount now in hand would be ample to thoroughly test the property. The association would incur no further liabilities, but those already incurred must be borne whether the association is wound-up or continued. His own feeling was that they should remain as they are, for every day the ext-tence of the association was continued gave an additional chance for their investments to improve in value. The directors would, as far as possible, refrain from making a call. The first point for consideration was with reference to the arrears of call; no legal steps had yet been taken, but it now became a question whether, in justice to those shareholders who had paid, the payment of the arrears should not be enforced. The directors had done the best they could for the shareholders, and the expenses were merely nominal. He might add that the last report from Cefn Brwyno was an exceedingly favourable one, and there could be no doubt it would be a great pity if the mine was impeded for want of the capital due upon the shares held by the association. He then moved that the report and balance-sheet be received and adopted.

Mr. Corp suggested that the present useeting should be adjourned for three months, by which time something might probably be heard from the Australian mines. He did not blame the directors for the investments they had made, but the responsibility would have been shifted from their shoulders had they consulted the shareholders upon the selection.

The Chairman, in reply to questions, stated that the arrears of calls amounted to 1876.

The motion adopting the report and balance-s

the present time. A vote of thanks to the Chairman and directors terminated the proceedings.

TUOLUMNE GOLD MINING COMPANY.

An extraordinary general meeting of shareholders was held at the An extraordinary general meetal fine the consideration the position of the company, and, if thought advisable, to pass resolutions authorising the raising of money for the purpose of carrying on the operations of the company, by the issue of shares, with such rights, preferences, or priorities with respect to dividend or otherwise, or by the issue of debentures, at such rate of interest and at such discount, and proposed to the purpose of the purpose o and upon such terms as may be decided upon, or otherwise; and for the purpose of passing such other resolution as may be thought de-sirable, having regard to the present position of the company. Capt. Carlyon Simmons in the chair.

Mr. E. W. LAYTON (the secretary) read the notice convening the

Mr. E. W. LAYTON (the secretary) read the notice convening the meeting.

The CHAIRMAN said the notice just read had informed the shareholders that the appeals made to them to take up the unallotted shares had not met with that response which had been hoped and expected; therefore, the present meeting had been convened for the purpose of considering the best means to be adopted to provide the necessary funds to carry on the company. Since he had last addressed them, in January, the advices from the mines had been delayed by the American railways having been blocked by snow; but it was hoped that in the interim some gold had been raised. The first appeal to the shareholders resulted in the application for \$54 shares, and the second appeal for \$379 shares, which would realise a sum totally inadequate to the requirements of the company. When the appeal was made he stated that unless a certain number of shares were applied for no allotment would be made, and, in accordance with that promise, the amount subscribed remained in the hands of the bankers. The directors certainly fully expected the shareholders would have come forward and assisted them, for it was very clear that the mines could not be worked without capital. It was agreed on all hands that the judicious expenditure of a few thousand pounds more would so develope the property as to fully realise the anticipations held out at the formation of the company. The shareholders had been called together to elicit their opinion, and to hear any suggestion they may desire to make as to the most advisable means to be adopted. The directors courted the fullest enquiry into the position and prospects of the company, for every step taken had been, according to their judgment, for the best interests of the shareholders. The directors had fully deliberated upon the matter, and had come to the conclusion that the best plan to adopt would be to raise 5000t, by the issue of 1t, preference shares, bearing an interest of 15 per cent, chargeable against the first profits reali meeting.

The CHAIRMAN said the notice just read had informed the share

be published.

A. Boss arked if the directors were satisfied that sufficient profits would be realised to ensure the payment of the 15 per cent. Interest upon the preference capital?—Mr. HAWES said if the company would merely open the mine he would

guarantee the payment of the interest, as far as gold would be yielded, to meet any charge of that kind.

Mr. Ross asked what was the yield of gold per ton of ore since Mr. Hawes had put matters on a better footing at the mine?—Mr. Hawes said the yield had been about 1 oz. of gold per ton, while a \$7-rock would enable them to pay good dividends.

Mr. Ross asked what was the yield of gold per ton of ore since Mr. Hawes naid put matters on a better footing at the mine?—Mr. Hawes said the yield had been about 1 oz. of gold per ton, while a \$1-rock would enable them to pay good dividends.

The CHAIRMAN asked Mr. Hawes if he had any reason to alter the opinion expressed in the prospectus as to the richness and producing capabilities of the property?—Mr. Hawes said his opinion was in no way altered. The fact was not more than about 1000, had been expended—the fault had been in not sinking instead of pulling a good mili to picces.

Mr. Ross asked Mr. Hawes if he was prepared to verify every statement in the prospectus?—Mr. Hawes: Most certainly. The mistake they made was in selecting a manager who was more honest than efficient.

A DIRECTOR said each member of the board had offered to take his proportion of the new issue if the shareholders would do the same. (Hear, hear.)

Mr. Ross said several shareholders were of opinion the prospectus was highly coloured, and particularly that paragraph referring to the amount of profit the mines had yielded. He wished to take the present opportunity of asking Mr. Hawes upon what authority that statement was made?—Mr. Hawes said there was no statement in the prospectus that was not strictly correct. As to the statement relative to the profit, that he took himself from the books of the bankers—Messers. Wells, Kargo, and Co. He had also documents to show the amount of the buillon receipts. (Hear, hear.) It had the greatest possible conditions in the great success of the mines.

The CHAIRMAN said that all successful mines had been at some time or other in financial difficulties, and especially was that the case with many of the formation of the company did not exceed 240.

Mr. Ross said the Chairman having thrown out a hint that the board courted every enquiry and investigation, he would propose that a committee of shareholders beholder be appointed to investigate the company's affairs, and to report to an adjourned meeting a

IMPERIAL OTTOMAN MINING COMPANY.

the committee. A voice of thanks was passed to the Chairman and directors, and the meeting adjourned.

It was mentioned that there are more than 200 shareholders.

IMPERIAL OTTOMAN MINING COMPANY.

A general meeting of shareholders was held at the company's offices, Moorgate-street, on Monday,—Major JELF-SHARP in the chair.

The CHAIRMAN explained that the object of the meeting was to consider the present position and prospects of the undertaking, and to determine what course it was most desirable to adopt in the interest of the shareholders. Their funds, he regretted to say, were completely exhausted, so that the only alternatives were either for the shareholders to provide additional funds or to pass a resolution rewinding—up the company. He would be very cory if the latter course were completely exhausted, so that the only alternatives were either for the shareholders to provide additional funds or to pass a resolution rewinding—up the company. He would be very cory if the latter course were that the company had excellent than electron in their efforts to bring the concern into a profitable condition, and had even failed to subscribe the small funds of the concern into a profitable condition, and had even failed to subscribe the small funds and the state of the concern into a profitable condition, and had even failed to subscribe the small funds and the state of the concern into a profitable condition, and had even failed to subscribe the small state of the progress of the small state of the sm

celled as soon as the 10:00, was paid.

Mr. READ observed that the believed 20:00f, would keep the mine going until it became profitable.

Mr. DELMAR said that the directors were in a most unenviable position; but the only question for the meeting was whether they would or would not subscribe; it not there must be a dissolution of the company.

It was suggested that as the resolution for winding up required confirmation, it should be put to the meeting and passed; it being understood that if the share-holders thought proper to tubscribe the 80:0, or 10:00, before the confirmatory meeting, it should not be confirmed, the object being to permit of the carrying on of the company if the money were fortuceming, but to avoid delay it the company were to be wond-up. It was thought, however, by some that many might misunderstand a notice of a resolution to wind-up accompanied with an application for additional funds to go on working, and, therefore, considered preferable to obtain whatever subscriptions shareholders and ask their subscriptions, leaving open the question of winding-up until the decision of the absent chareholders be known.

Mr. READ requested those present to state the amounts they were willing to subscribe, and explained that the subscription would be a subscription for the subscription.

Mr. DELAUNER thought that as those present at the meeting had come forther work of the subscription is the many and that of 90th had been subscribed.

Mr. DELAUNER thought that as those present at the meeting had come forward so handsomely they might anticipate that the absent shareholders would that 690th had been subscribed.

Mr. DELAUNER thought that as those present at the meeting had come forward so handsomely they might anticipate that the absent shareholders would contribute in an equally illustral spirit, especially as by neglecting to countribute they were voluntarily committing suicide with the property. Assuming that a few hundreds would be obtained outside the room he thought they might consider the questi

Mr. Allen thought it best not to shift the responsibility from the board, but all boards were apt to get into a groove, and bethought the suggestion of choosing shareholders to act with the directors was a good one.

Messra. Delance, Crowden, Bartlett, and Marshall were subsequently appointed to assist in the selection of an inspector.

It was then resolved, on the proposition of Mr. Crowden, seconded by Mr. Delanney, that the first moneys received from the sales of ore, mines, &c., be applied to the payment of the 1000l. last advanced by the bankers, and that upon the payment of that sum the 1300l. debentures held as collateral security be cancelled; and a resolution was also passed confining the application of the funds now sub-cribed to sending out an inspector and keeping the mine at work.

Mr. DELMAR suggested that the consideration of the resolution for winding up should be deferred, the meeting being adjourned generally for a fortnights in order that when they met again they might determine upon any of the questions of which notice had been already given, in the event of the outside share holders not subserbibug.

This course was agreed to, and the proceedings terminated with the usual complimentary vote of thanks.

MINING IN ANGLESEY.

MINING IN ANGLESEY.

The inauguration of the Panty-Gaseg Copper Mine took place on Thursday, March 7, at the Dinorben Hotel, Amlwch. Mr. Henry Gibson, a gentleman from London, having taken great interest in a tract of land to the west of Bull Bay, called Panty-Gaseg, knowing it to contain rich veins of copper for, applied, through Mr. J. M. Williams, and succeeded in obtaining a lense of it for 21 years, from Mr. H. Pritchard, Trescawen. On Monday Mr. Gibson arrived from London, and, in order to make himself acquainted with the gentlemen of Amlwch, he invited a number of them to dine with him on the following evening. Amongst those present were—Messrs. J. W. Paynter, High Sheriff; T. Fauning Evans. J.P., Mona Mine; Rev. H. R. Hughes; B. Roose, solicitor, Amlwch; Capt. C. B. Dyer, late of the Parys Mine; W. C. Paynter, shipowner; R. T. Phillips, of the Anglessy Central Railway; Captain T. Mitchell, Parys Mine; Captalu W. Hughes, Mona Mine, &c. When the cloth was removed Mr. HENRY GIBSON was unanimously voted to the chair, and Mr. J. M. WILLIAMS, Assayer of the Mona Mine, to the vice-chair.

The Citaliaman proposed as the first toast "The Cucen and the Royal Family."

Paymier, High Sheriff; T. Fauning Evans, J.P., Mona Mine; Rev. H. R. Hughes; B. Roose, solicitor, Anulvei; Capt. G. B. Dyer, Intel of the Parys Mine; W. C. Paymer, shipowner; R. T. Phillips, of the Angiesey Central Railway; Captain T. Mitchell, Parys Mine; Guptain W. Hughes, Monay Control Railway; Captain T. Mitchell, Parys Mine; Captain W. Hughes, Monay Voced to the chair, and Mr. J. M. WILLIAMS, Assayer of the Mona Mine; to the vice-shair.

Atter expressing his confidence that all present were very loyal, he begated to did them that he came among them as an initing speculator. He must own it with the did the came among them as an initing speculator. He must own the very loyal to the came among them in hope of doing good to thinself and his co-adventure; but I for a consequent of the control of the contr

the soil. He whereaking, because, as he said before, he and his brown of the successful undertaking, because, as he said before, he and his browner, who would not since would have developed it if not prevented by the owner, who would not grant it him. (This was said with great emotion.)

The Rev. H. R. Huches next proposed "The Health of Mr. J. W. Paynter, High Sheriff," and remarked that his friend, Mr. Paynter, was universally respected throughout the island, and in point of shrievalty he was surpassed by none in Wales. After some further remarks in praise of Mr. Paynter, his health was enthusiastically received. — The High Sheriff, in reply, stated that as he was one of the owners of the Parys Mine, and knowing full well that Panty-Gaseg Mine was situated in the same strata as the Parys Mountain, he had not the slightest doubt but that it would be equal to, and he, for his part, should not regret if it superseded, the adventure he was connected with. (Applause.)

"The Health of the Co-Adventurers" was next proposed by the Charamate who Gentlemen, he said, who were not present, but were residents chiefly of that Babylon, London. Men who did not expect, like the unfledged emigrants who landed on the shore where gold was supposed to exist, to at once got their for tune, and who were probably disappointed; but men who were willing to wait and see the undertaking being developed, more especially when that undertaking was inspected and reported on by such experienced and well-known mining men, whose reports had been the means of his taking up this outerprise, and recommending the same to those gentlemen who rowed in the same boat as him-

men, whose reports had been the means of his taking up this caterprise, and recommending the same to those gentlemen who rowed in the same boat as himself. (Applause.) This toast was taken up very warmly.

The Vion-Chairman next proposed "The Health of Capt. T. Mitchell," who, after it was well received, replied by saying that he had been that day down a depth of over 10 fms., and he was proud to say that there was gich copper ore at that depth. The look did not present better indications at the surface than the lodes at Pauly-Gaseq; therefore, he folk assured, and would stake his reputation, if surface indication counted anything that Pauly-Gaseq must produce similar results. He (Capt. Mitchell) knew that there had been attempts to flad

PHIS MINING JOUR

copper at Panty-Gaseg before, but those works were only shallow ones. He believed if the present company would go deep enough they would be amply repaid for their trouble and expense. (Hear.).

Mr. J. W. PARNTER next proposed "The Health of the Rev. H. R. Hughes, M.A.," and in the course of remarks referred to the rev. gentleman's classical attailments, and that he had in his long course of learning devoted, he might say, some portion to mineralogy, and that theory must lead the way to experience. That gentleman's views were well known to be favourable to the cause. The CHAIRMAN here wished to make a few remarks. He the Chairman', on his first visit to Anglesey, had received, not only in a Christian point of view but in a general way, from the rev. gentleman whose health the High Sheriff was about proposing, some most valuable and interesting information of the geological properties undeveloped, he was sorry to say, of the island of Anglesey, But, as the Railway King was at their fingers' ends, he (the Chairman) was most happy to unite in the health of the rev. gentleman.—After his health had been warmly received, the Rev. H. R. Hughes thanked the High Sheriff for the kind manner in which his health had been received, and also the Chairman, who on his first visit to Anglesey he incidentally met, and at once came to the conclusion that he was a man of business. That evening, he was glad to say, proved such to be the case in deeds, which were better than words.

The Rev. H. R. Hughes then proposed "The Health of Mrs. Gibson," whom he had seen on her visit to Anjuwch, and he could affirm to the gentlemen present that ahe was a lady deserving of a future acquaintance. He trusted that they would soon see her at Amilwch, and he could affirm to the gentlemen present that ahe was a lady deserving of a future acquaintance. He trusted that they would soon see her at Amilwch, and he could affirm to the gentlemen, and he had seening was spent, and the party separated, feeling convinced that prosperity and dawning on the re

GOLD RUN HYDRAULIC MINING COMPANY .- The directors have

sclared a dividend at the rate of 20 per cent. per annum.

FERGUSON GOLD MINING COMPANY.—At the forthcoming meets gethe directors will declare a dividend of 3s, per share, free of income tax, sing at the rate of 15 per cent. per annum for the first six months' working.

NANTYGLO AND BLAINA IRONWORKS COMPANY.—At a special meeting of the directors, on Wednesday, it was decided to declare an interim dividend of 4 per cent, for the half-year ended Feb. 28, equivalent to 8 per cent, per annum on the 8 per cent, preference shares.

GREAT LAXEY MINING COMPANY.—At a board meeting the directors declared a quarterly dividend of 6s. per share, payable on March 30.

ROSEWALL HILL AND RANSOM UNITED MINES.—At a meeting on Wednesday, the 13th inst., the accounts for the three months ending January, Wednesday, the 13th Ints., the accounts for the three months ending January, 27, showed a profit of 33, 12s. 1d.; against which there was the amount brought rward from the last meeting (1444.5s, 6d.), leaving a balance against the mine 110t, 13s. 5d. The report was extremely favourable, stating, among other tisfactory features, that the 100 fm. level had passed through a good lode for fms. In length, worth on an average 13t, per fathom; that the 10 fm, level d now met with tine 8 fms. west of the point first even at the 100; and the fm. level above was also worth 15t, per fathom.

The Meetings of other companies are published in this day's Supplement.

[The Meetings of other companies are published in this day's Supplement.]

Oniginal Connespondence.

THE QUEEN AND PRINCE OF WALES MINES.

THE—As a weral shareholders have lately been very pressing and earnest in asking means and asking means and the continuation of the prince of Wales Company for the entire copyany. I beg to be allowed to ear, through the medium of the Journal, that the case is, in my opinion, now as it always has been, as regards compensation, entirely hopeless—I fact, it is utterly ridiculous to entertain it.

There is no doubt that some twelve months since the representatives of the pounds, within to 72 ft. of the boundary bedge dividing the two setts; the shoot of silver dipped east into the Queen property—fortune favoured the brave for once, although such is not always the case. However, the Prince had the fall end, and in following this one shoot of rich silver or up to surface, which agoing down as rich as ever, and underlying right into the Queen sett, the spond, and I following this one shoot of rich silver or up to surface, which agoing down as rich as ever, and underlying right into the Queen sett, the spong down as rich as ever, and underlying right into the Queen set, the same of the surface of th

ditional cost.

In answer to many letters respecting my guaranteeing 20 per cent. per annum minimum dividends, I refer all intending investors to my bankers. West of England Bank, Tavistock.

If I give my word or my bond for 10k, 100k, or 100d,, I do not expect or wish to redeem it for less. I have no influential City men to assist me, or no doubt Queen shares at least would be run up to 10k, in a few weeks; but the mines I represent are real good properties, and I look to them, and them only, for a full bumping measure of success.

175 to 178, Palmerston-buildings, London, March 15. Thos. J. Barnard.

QUEEN AND KING MINES.

QUEEN AND KING MINES.

Sin,—Seeing a letter in the Supplement to last week's Journal from Mr. Barnard, respecting the process of extraction of silver from low-class stuff, containing from 8 to 10 css. of silver per ton, I have no hesitation in saying it can be extracted at a good profit, sud beg to refer the readers of your valuable Journal to a short but detailed report in the Supplement of last week, of costs and results, being all done under my own eye; and I may add, it may appear a day of small things at present, but the day is only lost dawning, and I fully believe the time is not far distant when half of the number of ounces referred to above—that is, one-half of 8 to 10 css. of silver to the ton of stuft—will be extracted at a good profit.—Harroucharrous, March 14. W. KNOTT.

[For remainder of Original Correspondence see this day's Supplement.]

MINING IN FLINTSHIRE.—The most recent report from the Hazle Grove, Calcot Hall, and Caerhun Amalgamated Lead Mines states that stones of lead ore over 90 lbs. In weight are being raised from the engine-shaft at a depth of only 40 yards, which depth has just been reached. Though the directors have been devoting their attention mainly to sinking the engine-shaft, they have thought it desirable to prove the ground in other places. They, therefore, caused a cross-cut to be opened from No 4 shaft above the water lovel, with the view of intersecting the great Panty-Pydev lode. This was speedily accomplished, and the lode found to be no levs than 12 yards in width from wall to wall. From this lode some splendid lead has been raised, but at the shallow depth (only 25 yards) the directors do not anticipate to do more than prove the necessity for deeper working. Nothing can be more satisfactory or encouraging than the matrix of which the lode is composed, lumps of solid lead weighing nearly I owt, having been discovered.

LLANARMON LEAD MINE.

LLANARMON LEAD MINE.

In order to keep the shareholders well and certainly informed on the progress and position of the Lianarmon, the directors every now and then have it inspected by competent and reliable surveyors, who are quite independent of the species of the progress of the pro

the neighbourhood are all impressed with a conviction that the Lianarmon is as rich as that was.

The junction of the flat and the large lode of which Mr. Pryor speaks, is an unlooked-for event, which promises large results, for, as he observes, wherever such a junction takes place the deposit of lead is sometimes marvel ons.

In a letter written after his report, Mr. Pryor says:—" Had I known what I now do I should have very much preferred not reporting for a month or so, so as to enable you to have given the new east and west joints a little further trial. I am very strongly impressed that it is the flat and the lode forming a junction with each other. It is a positive fact that wherever the lode and flat form a junction with each other they have always produced large quantiles of ore. We have several Instances of this in the neighbourhood, and I have very little doubt that if you were a few fathoms deeper the ground would become more settled, and you would have a great success."

An evidently practical man, with a shiewd judgment and a quick eye, who has been travelling through Wales on a tour of inspection, and who is wholly unknown to the directors or others connected with the mines, thus writes, about a fortnight since:—

"At Llanarmon a splendid lode east and west has been met with in the

has been travelling through Wales on a tour of inspection, and who is wholly unknown to the directors or others connected with the mines, thus writes, about a fortnight since:—

"At Lianarmon a spiendid lode east and west has been met with in the 66, about 3 ft. wide. Owing to an accident to the machinery, operations have been suspended for a few days. Work, however, it is expected, will be resumed before the close of the week, when the iodes will be operated upon with increased vigour. The mine has recently been inspected by two well-known gentlemen, Mr. Proyr and Mr. Eddy, who have reported most favourably of the prospects of the property. The engine-power has been found to be sufficiently ample for all purposes, and everything is now looking very promising. The lode here spoken of is independent of the two great and proved lodes, towards which they are now cross-cutting.

It is gratifying to find such a concurrence of ladgment as to the present and future as all the reports exhibit; because, unless some marvellous change—such as is almost, if not quite, unknown in mining—should occur, the Lianarmon will prove to be one of the richest lead mines in North Wales.

The statements made, it will be seen, all have reference to the castern part of theset only; but it should be remembered that there is a long run of ore ground, proved to be rich in metal and partly laid open, further west—a great mine in itself, and which remains to be worked when the sloking and driving on the fast and lode in the eastern part have been somewhat further carried on, and the junction of the flat and the lode reached; so that, after awhile, the shareholders will have two rich mines simultaneously working. The piece of ground are sangulue as to its richness, and there is no doubt that vast deposits of lead will be met with by the intersections from the new shaft east. Only a few years since that short piece of ground back to the west of the new shaft about 300 fms, worked by a local company, and being not much over 150 fms. In length, y

tinuation of the ground which afforded such enormous profits in the Old Nant Mine.

About the prospects of the Llanarmon, therefore, there can be no doubt. The mines, with the machinery and plant, have now a market value of £18,000, the probability is that within 12 months—perhaps six months—they will have a market value of £10,000, or more, and return the shareholders from £50 to £50 per cent, upon their investment.

The company is incorporated with limited liability, with a capital of £20,000, in shares of £2 each, fully paid up.

Messrs. Bartlett and Chapman recommend the purchase of these shares at the present price, believing they will advance very considerably in a short time. They are fully paid, leave no liability, and are exposed to no "calls," as the company is incorporated with "limited liability."

MR. CAVENDISH TAHOURDIN, SHREWSBURY,
STOCK AND SHAREDEALER,
From his long experience with and residence in the district, is always in a
position to give reliable information upon the Shropshire Mines, and will sell
or purchase every description of shares for net cash or account at the best
market prices. Special business in—
Bog. Perkins Beach. Tankerville.

Perkins Beach. Roman Gravels. Pennerley. Roman Gravels. West Tankerville. South Roman Gravels.

Parties wishing to sell or purchase in the foregoing are requested to make

Parties wishing to sell of particular partic

7. 20 Tankerville. 100 West 50 Roman Gravels. Bankers: National Provincial Bank of England.

C A P T A I N A B S A L O M F R A N C I S,

GOGINAN, ABERYSTWITH.

The great success which is attending the opening and working of the Mines
in the countles of Cardigau and Montgomery, and the many properties placed
at the disposal of Capt. ABSALOM FRANCIS, induces blim to offer his services
either to ADVISE, INSPECT, REPORT, or SURVEY, for Mining Companies
or private shareholders. r private shareholders. For terms, apply to Capt. ABSALOM FRANCIS, as above.

OVERMMENT STOCKS, paying 10 per Cent.; RAILWAY SHARES and STOCKS, CORNISH TIN MINES, and MISCRLLANEOUS SHARES and STOCKS. paying 10, 122, and up to 20 per cent. WANTED, SHARES IN MINES,—Dolcoath, Carn Brea, South Condurrow, Tincroft, Van, Van Consols, East Pool, West Frances, Providence, East Liangping, North Boskear, Greaville, East Grenville, East Lovel, Great Vor, Great Laxey, West Basset, Lucy, South Crofty, Kitty, Terras, West Jawell.

ewell. FOR SALE, the remaining £5 Shares in Two Companies formed to mature he works. far developed, of sound and valuable Tin Miner. Such preperties

FOR SALE, the remaining 25 mares in two companies forms to the works, far developed, of sound and valuable Tin Mines. Such preperties often advance 100 to 200 per cent, rapidly in value. Investors can obtain reliable information gratuitously as to all market seen rities, and especially Mines. Many of the latter yield enormous dividends, and are wholly unknown to the general public and neglected by the Stock Exchange B. TREDINNICK, 3, Crown-court, Threadneedle-street, London, E.C.

MINING ENTERPRISE IN TURKEY.

The ludicrously disproportionate amount of revenue derived into the Turkish mines is prominently mentioned by the Levant Herall In Sadyk Pasha's last budget the mines were put down to jield a

The ludicrously disproportionate amount of revenue derived free the Turkish mines is prominently mentioned by the Levans Herely. In Sadyk Pasha's last budget the mines were put down to yield a merely nominal amount, although the country possesses copper, sit ver-lead, and iron in abundance, besides other minerals, such as an timony, sulphur, emery, manganese, chrome, &c.; this is the more complained of because the drift of European speculation at present sets towards mining enterprise, and the reason why mining capitaling shun Turkey is carefully explained. Nearly three years ago a color mining laws was published in Turkey, which professed to be framed with a view to encourage mining enterprise. The concessions granted since these laws have been in operation might, however, be told of on the fingers of one hand, for reasons which best become intelligible by tracing the process leading to the ultimate obtainment or refund of a firman.

The rights of discovery being registered, the discoverer applies for a permission to examine the locality, and when satisfied as to the wealth of the mine he presents his application for the concession for 99 years, subject to a royalty of 5 per cent.), accompanied by plan and samples. So far there is nothing to complain of. Then ensure a discussion at the Council of Mines, a perfectly idle discussion, laking, perhaps, two or even three months, at the expiration of which the business advances a stage, and the application for the mine is situated, and after that for two months more at the Council. The comes the tug of war. If the mine be a poor one, or the Council is situated, and after that for two months more at the Council. The comes the tug of war. If the mine be approved to the month; but if a rich one, rival claimants—belonging to the Galata tribe of get entirers—start an opposition, which, frivolous as it may be, the Council invariably treats as serious; and the result is that the claim has to be bought off, and the claimants—belonging to the Guerra.

The remedy is casy enou

years time the revenues derived from this source might easily reach half a million sterling. Nor should it be forgotten that mining companies in the pursuit of their own interests become the promoters of railways, roads, and harbours; that they employ and lead to the employment of great numbers of hands, and that by their means the riches which are now hidden underground are diffused among the population.

MINING NOTABILIA.

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

The VIRTUOUS LADY MINE, last week, sold to the Tamar Tin Smelting Company 1 ton 3 cwts. 3 grs. 18 lbs. of tin, at 824. 2s. 6d. per ton. Asother parcel is being dressed, and the mine will sell a parcel of copper our bit end of this month.

WHEAL MARY TIN MINE is progressing very favourably. The recent discovery of tin has in no way decreased in value, and the mine is looking very rich for the future.

NANGILES (Tin).—This mine continues to improve, and holds out excellent prospects. They have a large quantity of tin ore ground, and in two months will start their steam-stamps, after which they will soon paycost. One more call of 2s. to 2s. 6d. per share is expected to suffice to bring the mine into a paying state. The Wheal Jane (shares now 50f. each) lodes pass through the mine. Nanglies shares have been long neglected, but must soon command much higher prices. There are already several good buyers about, but shares appear very scarce.

WEST GREAT WORK (Tin).—The prospects here were never so good

much higher prices. There are already several good buyers about, but share appear very scarce.

WEST GREAT WORK (Tin).—The prospects here were never so good as at the present moment. There are only 2582 shares in the company. The adjoining mines soid four millions worth of mineral, and gave immense directed. West Great Work is likely to pay costs upon a further outlay of \$5. per share, and, when compared with many other mines, shares are honestly worth \$6. each now. They can be bought at \$5s. to \$40s. each, being about \$4500. for the whole property, including machinery, &c.

CASTLE AN DINAS.—The eastern and western stopes have much improved the past month, and the returns are increasing.

ABERDAUNANT MINE.—Referring to this mine Capt, H. Francis (March 9) writes—Agreeably to instructions, it gives me pleasure to send you my report on the mine, inasmuch as I have always held, and now more than ever, a most decided and highly favourable opinion of the property, and I have so often expressed myself to this effect that I need not say more on this bead, but will at once enter into a description of the different points in the mise worthy of mention, with the certain profitable results that will follow their vigorous prosecution, together with others which I shall strongly recommed being fully carried. And after detailing the various points of operation, be concludes—"From the remarks I have considered it my duty to address to you on the different points of operations, it must appear obvious to anyone acquainted, or otherwise, with mining matters, that this is a highly important and valuable property; and, in conclusion, I will only observe that, by carrying out the operations proposed, I have not a shadow of doubt or hesitation is asying that this mine will prove a prize to those who may be fortunate enough to hold an interest in E."

The Warrack.—This important mine is likely soon to be much lighter in the market value, as a great improvement is excepted shortly. Tee

eaging that this mine will prove a prize to those who may be formake enough to hold an interest in it."

TREVARRACK.—This important mine is likely soon to be much higher in the market value, as a great improvement is expected shortly. The position of the mine is excellent.

PRIDEAUX WOOD (Tin).—This mine is to be worked under circumstances peculiarly favourable. The fact of millions baving been returned, and hundreds of thousands in dividends paid from adjacent mines, and the advantages now at hand by ample supply of water-power, this mine, known to berich in tin and copper, demands more than ordinary attention.

CAMBORNE VEAN.—Messrs. J. Vivian and Son write—"The further we get in re-opening this mine and proving the various points the more we are confirmed in our opinion that we have a splendid property. With good stamping-power we shall rived our great neighbours to the east—Dolcoath, Cook's Kitchen, and Tincroft, which are all working on the same lodes as Camboine Vean."

Cook's Kitchen, and Theroit, which are all working out the seems born o Yean."

Brynambor (Lead).—The perseverance shown in this mine seems sould lead, and the captain says the general appearance of the lode is so much improved that every hole blasted he expects an important discovery.

WHEAL CARDELL.—Operations here have just been commenced in good earnest. The shares having been well placed now command a good price, 18t. to 17t. 10s. each, at which price there are several buyers. Theroit lode, is the deep adit, looks well; the through the strong the lode, is worth 17t.per ton, at which price a parcel has been sold. This speaks well for the mine.

Carnelloe (Zeunor).—This mine, started about six months ago by a few enterprising gentlemen, under the able management of Capt. Elch, of

by a few enterprising gentlemen, under the able management of Capt. Rich, of Wheal Uny, South Cara Brea, and other mines, we hear is likely to prove agrassuccess, and that the fortunate shareholders will shortly be repaid for their trifling outlay. Very valuable tin ground is rapidly being opened, and, selfathat the operations can be continued without the cost of any steam-power, we congratulate the proprietors on their prospect of speedily entering the Divident List.

List.

EAST CHIVERTON.—The return of ore just made—No. 1, 7 tons, fetching 201, a ton, and No. 2, 1 ton, 121.—has made the adventurers more confident than ever that their mine is to be a great success. Comparatively little of such high-class ore as No. 1 will not only clear the the expenditure but, moreover, leave a good profit.

PERRAN WHEAL VYVAN.—The recently discovered lode is profitable to the country of the country o

M

Ing itself equal to the favourable opinions expressed some time since. Additional value is attached to the discovery from the fact that it is a continuation of the lode which has proved so profitable in West Chiverton.

FOUTH MERLLYN.—We are glad to notice the improvement here, especially at a depth where lasting results may be anticipated. In the 100 fm-level, north from shaft, some rocks of lead were broken last week weighing the contract of the contract o

CARDIGANSHIRE OLD BOG.—A company has been formed for the purpose of acquiring and working the much colebrated Cardiganahire old 80 Mine, in the parish of Llaubadarnfawr, in the county of Cardiga. The strivery extensive, having a run of upwards of 500 fms, on the course of the loss te is bounded on the cast by the River Rheidol, on the south and south west in the county of the loss of the county of the loss o Clara Consols and Llywernog Mines, and is immediately contiguous to other important mines, one of which, in close proximity, and knows to United, has recently been purchased for 38,000. Many well-defined reins

sarly due east and west, fraverse the sett, and are crossed by others hav-helf direction about north-west and south-east, which form several impor-junctions, where large deposits of one will most probably be found, judging perience gained in similar instances in the district. The discovery of a g voin in January last gives every prospect of a most favourable result to ndertaking.

IS CHINA-CLAY A MINERAL?

Vice-Chancellor Wickers gave judgment on Wednesday in the case of Hext v. Gill. The only questions in the case, which had occupied the attention of the Court for four whole days, were whether the court of the case of Hext v. Gill. The only questions in the case, which had occupied the attention of the Court for four whole days, were whether kaolin, or china-clay, was or was not included in a reservation of mines and minerals in a conveyance from the Duchy of Cornwall, and wisters of the west of the conveyance, after granting the land, contained successors or pukes of Cornwall, of all mines and minerals within and hear the land, and further reserved a right to his Royal Highness, his heirs under the land, and further reserved a right to his Royal Highness, his heirs and successors, and his and their lessees, their agents and workmen, to take, and work the excepted mines and minerals. In 1834 the Duchy, under the us, and work the excepted mines and minerals. In 1834 the Duchy, under the us, and work the excepted mines and minerals. In 1834 the Duchy, under the us, and work the excepted mines and minerals. In 1834 the Duchy, under the us, and work the excepted mines and minerals, in the majorial rights of the Duchy in 1837 the defendant purchased the whole of the manorial rights of the Duchy in 1837 the defendant purchased the whole of the manorial rights of the Duchy in 1837 the filed the present bill for an injunction.

Property, including the rights under the reservation, and since that time the property, including the right in oran injunction.

Property, including the rights under the workings into the plaintiff's life and and afterwards, having extended the workings into the plaintiff's life and and afterwards, having extended the workings into the plaintiff's life and an advantage of the file of the reservation; and, if it were, the reservation did not confer a right to work reservation; and, if it were, the reservation did not confer a right to work it so as to destroy the surface.

The Soliciton-General, f

FLAGSTAFF.—The report of Mr. Maxwell states that between Sept. 1 and Nov. 27, 1345 tons of ore were raised, at a cost of \$8:10 for mining and incidental expenses, including timber, lumber, cost of driving deep level, sundry dead work, ore bags, &c. From this 505 tons of builton were produced, at a cost for smelting of \$47:42 per ton of bullion; the carriage of ore to furnace and bullion to railway depôt amounted to \$6:12 per ton in all. The value of the bullion produced is net at 00maha \$83,829\$, thus showing a profit of \$6:67 per ton on the ore, and \$174:7 per ton on the bullion. The cost of freight from Salt Lake to Omaha, on bullion, is \$31 per ton, cost of separating \$22.50 per ton. The separating works pay the freight, and deduct it with the charge for separating from the proceeds of the lead which they purchase at 6 cents, per pound, and pay the balance to the company, and deliver to them all the gold and silver contained in the bullion. There are 40 tons of ore at mine and furnaces, worth fully \$24,000 on the spot. The ore consists thefig of yellow and grey carbonates of lead, in which is intermingided a considerable quantity of galena. These ores are very uniform in their yield of gold, silver, and lead, and are admitted to be without exception the easiest reduced ores in the territory. The cost for smelting, &c. for the three months over which the accounts extend is in excess of the estimated cost by Mesers Blake and Murphy; this has been explained to arise from two causes—first, that the furnace-owners did not make proper provision for a supply of charceal before the snow blockade set in; and, secondly, because they have been running one of the furnaces only for the best portion of the time, thus throwing the first charges of two furnaces on to one of them. In the summer time it requires not more than 2½ tons of ore to yield 1 ton of buillion; in winter the ore considerable amount of moisture in excess and in a frozen state, making it more costly in fuel, haulage, &c. The total cost of smelting 1 ton FLAGSTAFF.—The report of Mr. Maxwell states that between Sept. 1

ELECTRIC RAILWAY SIGNALS.— Means are provided, by the inention of Mr. W. ROBINSON, of Brooklyn, for signalling the approach of trains
the contact of the latter with circuit closers or breakers. Also for closing
dopening gates, and for setting signals, to inform the engineer of the train
the position of the drawbridges, switches, &c., which are ahead of the train
las for telegraphing by every train its position and direction to the several
ations, giving notice of land slides and other accidents to moving trains and
the stations along the road. The invention has, therefore, for its object to
oduce the various devices, combinations, and arrangements necessary for
feeting the before-mentioned actions.

meeting the before-mentioned actions.

Holloway's Pills—Watch the Weather.—This is perhaps the set comes! that could be circulated at this season. Will all follow it? Will refronce change his raiment as the temperature varies? The next best advice so have in readiness a box of Holloway's pills, and with them to oppose the intentiation or stop the advancing symptoms of disease. No cold, catarrh, or could be left to itself; either may lay the foundation of danger, if no modermined by suitable means, and none surpass Holloway's for efficiency. Hay ever, asthma, diarrhem, and a host of other complaints, waylaying the weak and delicate when the day is hot, with cool mornings and evenings, are cured by Holloway's medicine.

MARTIN'S PATENT PISTON. CONTINUOUSLY STEAM-TIGHT; EFFECTING GREAT SAVING IN FURL; GIVING ADDITIONAL POWER; AND NO TROUBLE.

MILLBROOK FOUNDRY, SWANSEA.

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MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, for
IRB and SALE, by immediate or deferred payments. They have also wagou
relifecapable of carrying 6, 8, and 10 tons, part of which are constructed speally for shipping purposes. Wagons in working order maintained by conact.

EDMUND FOWLER, Sec.

WAGON WORKS,-SMETHWICK, BIRMINGHAM. • Loans received on Debenture; particulars on application

STAFFORDSHIRE WHEEL AND AXLE MANUFACTURERS of RAILWAY CARRIAGE, WAGON, and CONTRACTORS' WHEELS and AXLES, and other IRONWORK used in the CONSTRUCTION of RAILWAY ROLLING STOCK.

OFFICES AND WORKS. HEATH STREET SOUTH, SPRING HILL, BIRMINGHAM.

MR. R. PERCY ROBERTS, FINANCIAL AGENT, CARLISLE.

MESSES. LISCOMBE AND CO.,
39. SOUTH CASTLE STREET, LIVERPOOL.
Beg to inform their CLIENTS and the PUBLIC that they are PREPARED to
do BUSINESS in ALL CLASSES OF MINING SHARES—English, Foreign, and
Colonial—at the alonger market princip.

of DUSINESS in ALL CLASSES of MINING SHARES—English, Foreign, and Colonial—at the closest market prices.

A Mining Engineer of great experience having recently joined the firm, they are in a position to make thorough inspections and surveys, and give first-class report upon all metalliferous mines throughout the world. They are also ready to provide capital to any moderate extent for working bona fide mineral properties, no matter where situated.

Mearx, LISCOMBE and CO. have for sale at this present time shares in soveral meet highly promising progressive mines, which are certain shortly to pay large dividends upon a very small outlay.

Full particulars will be forwarded on application to bona fide investors.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

LITY. Celli (diver-Load)—almo Cites, March 12 Region-Shart: The lock at storage of an obset the same as when last reported on. The 20 west will produce at least toos of least one of least one per time. In the communication is the wines from the 10 to the In the wines shiring under the 20 cest the lode is very wide, and will produce the 12 to the lock on the per time of the 10 to the In the wines shiring under the 20 cest the lode is very wide, and will produce the 10 to the 1

tinne we shall very soon be able to work from the deep levels, when we are confident of considerably increasing the returns. All other operations are pro gressing satisfactorily.

CASTLE GATE—Thos. Parkyn, March 14: We have cut into the Duck's Pool lode 6 ft., and have taken out some good stones of tin, but the ground being so soft, and it being so near to the surface, we had some loose surface staff run in. We have some very good work for tin in the lode we cut through last week. The ground being so wet, we cannot sink down very deep into the lode for water. ORENVER AND WHEAL ABLAHAM UNITED—W. Kitto, W. J. Paull, March 11: At Sturt's engine-shaft, sinking below the 203, the lode is if ft. wide, unproductive. In diving the 203 cand west the lode is 3 ft. wide, producing copper ore to dress. In St. George's shaft, sinking below the 190, the lode is 5 ft. wide, unproductive.—Orenver Shaft: In driving the 120 end west of rise the lode is 2½ ft. wide, worth for tin and copper ore 2.½, per fathom. In the 130 end, driving east of rise, the lode is worth for tin and copper 20. per function the lode is 2½ ft. wide, unproving in character, and letting out water freely. In the 80 end, east of St. George's shaft; the lode is 1½ ft. wide, vigiding 1 ton of copper ore per fathom.—Ivitan's Shaft: In the 20 end east the lode is 4ft. wide, proving in character, and letting out water freely. In the 80 end, east of St. George's shaft; the lode is 1½ ft. wide, yielding 1 ton of copper ore per fathom.—Vivian's Shaft: In the 20 end east the lode is 4ft. wide, proving good stones of copperore, letting out water freely, and is likely to tim prove.—Pelly's Engine-Shaft: There has been nothing done here in the bottom of the mine during the past week, owing to a breakage we had to the 8) fathom level balance-bob, the pin and noseplece broke, and we had to get a new one cast, during which time the water rose nearly to the 190; but we are glad to say the water is forked down this morning to the 220, and we hope to fluish bed-planking the

of Pelly's engine-shaft, in consequence of the water being in, and there is no change in any other of our tutwork operations. The weather has been more favourable in the past week, and the masons are pushing on the building of the boiler-house wall and bob-stands for the man-engine.

DEERPARK.—J. Bucknell, March 14: We are pushing on the sinking of the shaft with all possible speed, and are also driving the deep adit level by the side of the lode as fast as the nature of the ground will allow.—No. 5 Lode: The adit level on this lode is progressing favourably, and all our surface work is going on well.

The adit level on this loue is progressing involution, and an our state of soling on well,
DOLWEN CONSOLS.—D. Evans, March 13: Setting for March: The western main adit by six men, at 1201, per fathom; lode strong, from 5 to 6 feet wide, composed of spar and gossan, with a good mixture of copper and mundle, and spots of lend ore. The eastern main adit by six men, at 120s, per fathom; the lode in this level is bearing a little to the south, but with that exception is much the same as reported last week.

DOWNGATE CONSOLS.—W. Metherill, March 14: I have nothing new to report. The cross-course continues of the same good character, composed of quarts, white iron, and flockan; the country also continues all that can be desired, it being a beautiful blue killas, and highly congenial for the production of rich minerals.

DOWNGATE CONSOLS.—W. Metherill, March 14: I have nothing new to report. The cross-course continues of the same good character, composed of quartz, white iron, and flookan; the country also continues all that can be desired, it being a beautiful blue killas, and highly congenial for the production of rich minerals.

EAST DARREN.—March 12: In the 116 fm, level east the lode is large, composed of a dark clay-slate, carbonate of lime, beds of grit, and small strings of lead, but not a sufficient quantity to value. In the stope over this level, 110 fathoms east of Taylor's shaft, the lode is 5 ft. wide, a little improved, and is now yielding about 18 cwts, of lead ore per fathom. In the 104 fm, level east the lode is unproductive, being disordered by cross-joints and broken up ground. In the 92 fm, level east the lode is about 1½ yard wide, chiefly composed of a dark clay-slate and carbonate of lime, but unproductive for lead, and the ground favourable for progress. The tribute-pitches throughout the different levels are looking much the same as last reported on, and are yielding fair quantities of ore. In the cross-cut south of Skinner's shaft, towards the 92 fm, level, the ground is composed of a good blue clay-slate, and we expect to cut the lode shortly. At the new engine-shaft at Blaencem, sluking under the 40 fm, level, the ground is composed of a good blue clay-slate, and we are meeting with spots of lead in the joints of spar crossing the shaft, which we consider are droppers from the lode, and have 2½ fathoms more to sluk before cross-cuting north to the lode at a depth of 60 fathoms from surface. In the 40 fm, level, east of new engine-shaft, the lode is about 4 ft. wide, composed of adark clay-slate, carbonate of lime, and is unproductive, being at present broken up and disordered. In the cross-cut north of New Pool the ground is composed of ilight clay-slate, favourable for progress. Our machinery is in good working order, and drawing and dressing being pushed on as fast as possible.

EAST GRENVILLE.—G.

ther quick.

EAST WHEAL LOVELL.-R. Quentrall, March 13: There is no alteration

EAST WHEAL LOYELL.—R. Quentrall, march 10: Angro 10 no alteration to notice in the mine since last week.

EXCELSIOR.—G. Rickard, March 13: There has been no lode taken down in the adit level during the past week, therefore I cannot speak of any change in its character or value. At present we are driving by the side of the lode, and find the ground contains a strong mixture of capel, which makes it more spare

to notice in the mine sluce last week.

EXCELSIOR.—G. Rickard, March 13: There has been no lode taken down in the adit level during the past week, therefore I cannot speak of any change in its character or value. A treeste we are driving by the side of the lode, and find the ground contains a strong mixture of capel, which makes it more spare FLORENGE AND TONKIN.—Wn. Verran, March 14: In the 45 fm. level south, by the side of the lead lode, the ground is still of a mixed character, but we have not yet cut the main part of the south copper lode, which possibly may be in a disordered saste close bome to the lead ide; and it may not be amiss shortly to open a little west on the wail we have lately passed through, to as a still locks well, and will produce good quantities of copper ore; and the same remark will apply to the stope west of the shaft, where the lode is very large. In driving the 29 fm. level, east of Saw shaft, the lode is improving, and will very probably soon be very productive. There are good stones of ore in the east in the shallow adit. We are making good progress in slinking the shaft at Pengelly, with comparatively little water, and the prospect of laying open a good mine, both for lead and copper. We are busy dressing a parcel of copper ore for the market.

Mo. 10. Violan—A. Harper, March 12: In the wines slanking below the No. 1 No. Violan—A. Harper, March 12: In the wine slanking bolow the part of the shaft at the prospect of laying open a good mine, both for lead and copper. We are busy dressing a parcel of copper ore for the market.

—Capt. Harper, March 14: In the wine slanking below the No. 1 No. 10. No. Violan—A. Harper, March 12: In the wine slanking below the No. 1 level, and the prospect of laying open a good mine, both for lead and bout 15 fc. vide, and will produce about 15 cwst. of lead ore per fathom. The lode in the bottom of the wine sensition will the layer of the shaft slanking both when the layer is the layer of the shaft slanking both will be about 14 fc. 1 in a fathom, wit

We are in a forward state with our dressing of ores for next sampling, and hope to have an increased sale.

GOGINAN.—March 5: In the 110 east the lode is 5 ft, wide, containing good strings of lead ore, and producing good saving work. The lode in the stope over this level, 80 fathoms cast of winze, its 21 to 15 ft, wide, and will yield 1 ton of lead ore per fathom. In the stope over the same level, 80 fathoms east of winze, the lode if 12 ft, wide, worth 3 ton of lead ore per fathom. In the stope over the same, 80 fathoms east of winze the lode is large, and yields 18 cwts. of lead ore per fathom. The tribute pitches in the old part of the mine are producing on an average 11 cwts. of lead ore per fathom. On Tuesday lass we sampled 21 tons of silver-lead ore. All surface work is being pushed on regularly, and fair progress is being made towards another sampling.

GORSEDD AND CELYN LEVEL.—March 14: In the driving of the add level coming from the end. We have very little doubt that some great east and west

THE MINING JOURNAL

vein has been intersected. Immediately we can we will let you know further particular a RTALLACK.—J. Harris, March 2: The lode in the adit level, driving cast of the cross-cut, is much the same as for some time past, the leader part being about 18 in. with a procession of the control of the

GWYDYR PARK CONSOLS.—Wm. Smyth, March 12: Tyntwll Mine: The lode in the engine-shaft is about 12 in, big, and yielding good stones of lead ore, with a very promising appearance. The sinking proceeds as fast as the nature of the work will permit. There is no change in the 15. The lode in the stope in the back of the 15 is not quite so productive as it has been, now worth about 18 cwts, of lead ore per fathom. I have put two men to stope in the bottom of the 15; the lode looks well, and is worth 20 cwts, of lead ore per fathom. The dressing proceeds as a wall. We have 16 tons of lead ore clean. Notwithstanding the heavy rains during the last few months the wheel has kept the water with ease.

dressing proceeds as usual. We have 10 tons of lead ore ciean. Notwithstanding the heavy rains during the last few months the wheel has kept the water with ease.

HALKYN DEEP LEVEL.—March 12: There is no material change to neited nany part of these mines since last report. The lode in the deep level, g-dag south-west of the deep level yeln, is 2½ ft, wide, composed of limestone-spar, and containing good strong spots of lead and copper ore, altogother a strong, promising lode, and, from present appearances, we believe that it will open out more productive soon. The lode is rather hard, and full of small valps containing water, which makes the level spare for driving, but we hope to reach better ground soon. At Tiustee's shaft we have been rising over the 160 yard level to meet the shaft sluking below the 120, and we are pleased to Inform you that we have got a communication through between the two points with a borer-hole. We have now about 8 ft. of ground to rise and sluk through to complete the shaft to the 160. There is no change to notice in the 146 north of north shaft, on Pant-y-fifth vein; the lode is about 3 ft. wide, composed of limestone-spar, and apotted with lead ore; ground rather hard for exploring. The lode in the rise over the 146, at a point about 140 yards north of shaft, to meet the winze sinking below the 110, 140 yards north of shaft, to meet the rise over the 146, the lode is 4 ft. wide. consisting of limestone-spar, and having spots of lead ore, but not much to value. We hope to get a communication through between the rise and the winze by the end of this month, when the Pant-y-firth vein will be well werthlated for future working. We shall then be able to push on the 146 and the 110, and open out that section of the mine soon, and without much expense. The tribute department continues much the same as for some time past. We hope to raise a little more ore after we get a communication through at Pant-y-firth.

HINGSTON DOWN CONSOLS.—James Richards, March 14: In the 120 fm. level west, and

stopes in the back of the 110 west continues to be worth 151, per fathom. The sampling, computed at 182 tons, for saic on the 21st inst., has been increased, and will weigh over 18 tons.

HOBBS HILL.—P. Temby, March 14: Since the meeting we have been repairing the lower read, so that we may supply the stamps from the bottom quarry, two carts here are equal to three on the upper road. Our carriers are complaining very much about their horses, and will not send them here for less than 8, per day, and we cannot get carts enough to keep the stamps fully supplied for that. What we stamped last month was from the bottom stopes, which are quite as good as the upper ones. The proposed tramway would come in for very little money to this blace, and one man could keep going as many stampers as we have power to drive, and save all the bother and expense of horse hire. During the past month we have not been able to keep the stamps supplied with stuff, owing to the bad state of the roads and so much rain. We have repaired the stamps, and put them in good order to drive 36 stampers. We shall stamp a great many more tons of stuff per day now than we have been able to do for a long time past. I hope we shall be able to keep them supplied; if so, we shall have a much larger sale of tim this month than last. I think the deeper we are going the better quality work we get. Our drags were looking very well this morning. Capt. Pearce says that he never saw them looking so well before. There is nothing new to report since my last; there is no failing off in the elvan, but it has rather improved. We ought not to have less than 60 stampers always at work—that is, to put the 24 in order at the upper wheel, which would be better working than standing idle.

KESWICK UNITED.—Wm. Francis, March 14: We are squaring down the haft through the oldworkings under the adit level; in carrying it down to the noderlying old level—just cleared out through No. 1 winze—we are going and mixed throughout with lead ore, the whole of which we are senting out

.-E. Hitchins, March 14: Since last re-KING ABTHUR.—E. Hitchins, March 14: Since last report we have nearly completed casing and dividing the shaft down to the water. We have a full pare of men cutting the water-course for the supply of the turbine. On again taking the height of the cliff from the top to our level, I find the fall will be full 335 feet: this will give us a considerable increase in the power we had calculated. The surface work is going on as fast as possible, and if we get a little fine weather will soon be completed.

weather will soon be completed.

LKEDS AND ST. AUBYN. - J. Cartis, March 13: We are looking better in the 30 fm. level west; the lode is 3 ft. wide, worth 8t. per fathom. In the 30 fm. level cast the lode is 2½ feet wide, worth 10! per fathom. In the 20 cast the lode is 2½ feet wide, worth 10! per fathom. In the 20 cast the lode is 3ft. wide, worth 5t. per fathom. The 17 fm. level, weat of Bastian's flat-rod shaft, will be holed to the deep adit in about a week. On the whole, our tutwork bargains are looking much better than for some time past. Saturday peat is our pay and setting, when I will give you the whole of the particulars.

LLANARMON. -A. Ede, March 13: The lode in the sump, sinking below the 6f, is 3 ft. wide, and consists of limestone boulders, clay, &c. and looks promising for bearing ore; distance sunk this month, 5 ft. In the end of the 6f, driving west, the lode is 4 ft. wide, and containg ground of a similar nature as when last reported on -carbonate of lime, chert, and clay; this level has been driven 6 ft. All other work goes on regularly.

LLYWERNOG. -D. Evans, March 13: Se tings for March: The south cross-

6 ft. All other work goes on regularly.

LLYWERNOG.—D. Evans, March 13: Se tings for March: The south crossent, at the 79 plat, to six men, at 220s per fathom; the main lode is not yet cut through, some new branchos appear every week. The north cross-cut, to four men, at 220s, per fathom; the ground here is very promising, but only produces apots of Fad at present. All surface operations are going on well. The last Lod of over to complete sale will be down to morrow.

LOVELL.—J. Namearrow, March 13: The lode in the 12 west continues as good as ever, and is worth full 45t. per fathom. The ground in the cross-cut is

hard, but there is a little more water coming away, and we hope soon to get a change for the better. All other work progressing satisfactorily.

MELLANEAR.—Edward Rogers, March II: I am glad to inform you that the surface water is beginning to fall off, and the water can be kept at the present level (the 64) easier than a week ago. We had to stop the engine on Saturday two hours, and we nearly got that water in fork again this morning. We hope to be able to resume forking below the 67 shortly. We have communicated the winze in bottom of the 50 with the rise in the back of the 78, which will make a great improvement in the ventilation of the mine.

MINERA UNION.—J. Nicholis, March II: There is no change of importance to notice in this mine since last week. We sold this day 7 tons of lead ore, at 132, 108, per ton.

in contine in this mine since last week. We sold this day 7 tons of lead ore, at 132 los, per ton.

NANT-Y-BLAIDD.—E. J. Burn, March 9: I am thinking, all being well, to forward you a pated of ore by rail on Monday, that the directors may see what a beautiful change we have in the lode in the shallow adit. I may say there is every appearance of our being near a large body of lead ore. I here looked as NE HERE HEAGTH.—Wm. Yipond, March 11: No change of importance. A little spangel or on the vein as we drive towards Montbella: set at 5, per fm. NEW GROW HILL.—T. Trelease, A. Kent, March 12: In the past month we have driven fm. In the 5s, to hole from the western shaft, which gives good and caved the shaft and put in footway from the 22 to the 35. These sltogether make a busy nonth's work. We have other preparations to make previous to our again sinking, which will be completed this week at the latest, and we shall then resume the shaking of the shaft with all speec.

New DALE,—N. Ninera, Month 1st the weight to get it out for the present. In the rise in the back of the 44 the ground continues very hard, but since the lowering of the water to the bottom of the downright shaft the communication of air is much better, and risen 3f ft., altogether 5 fms. In No. 5, on your between the 58, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 58, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on your between the 5s, and towards the 4s, 6f s., altogether 5 ms. In No. 5, on the wind the state of the shaft shaft to the shaft shaft shaft to the shaft shaf

as early as possible, when we think the results of the lode and tinstuff now broken and drawn to surface will be found very satisfactory. All other operations, both at surface and underground, are progressing as fast as the nature of the work will admit.

NEW NORTH VAM.—W. Williams, March 13: This month the top level has been driven 4: ft.; the whole length driven now upon the course of the lode is 25 fathoms, which has produced spots of ore more or less all the way. This is a very strong and kindly lode, but as yet our trial is very shallow. I have put six men to cut a plat for sluking a winze, in order to prove the lode at a deeper point. This will be useful also to veutilate deeper levels when they reach this point. I am in hopes of making a good discovery in this winze.

NEW ROSEWARNE.—Joseph Rule, March 9: Setting Report: The 53 south to cut through the lode by six men, at 9:, per fathom. We have driven 14 ft., through this piece of ground, and have not got to the south wall as yet. For the last 3 or 4 ft. the lode has improved. The 53 stope by eight men, at 71. los, per cuble fathom. This stope is looking well for tin, and maintains its value, 50!, per fathom. The 46 west of Poole's shaft, by four men, at 71. los, per cuble fathom. The 46 west of Poole's shaft, by four men, at 71. los, per fathom. The 46 west of Poole's shaft, by four men, at 71. los, per fathom. The 35 were pooled on this end. The 34 cross-cut north by four men, at 73. los, per fathom. It is the four shaft, by four men, at 74. los, per fathom; this end is very spare for driving, and also very close. We have dropped our lift to the 67, and hope to fork the water to this place by Monday or Tuesday. The carpetiers are putting the stamps and wheel together as fast as possible, and hope to finish it in about four weeks. We have set a cross-cut od rive south by four men, at 64. los, per fathom is: Since my report of Sturday there is no change to notice underground. We have forked the water 2 fathoms below the 67 m. lovel, and hope to forth the

Shew without the same cossary trials on the new lode recently discovered, from which we are so far raising some good thistuff. It will take us about a month to give it a fair trial.

NORTH CROFTY.—J. Vivian and Son, W. Thomas, March 4: Reeve's Lode: In the 120, west of Petherick's shaft, the part of the lode on which we are at present driving is 5 feet wide, composed principally of very hard capel, with a little tin and copper ore. In the 208, west of Petherick's shaft, the lode is 4 ft. wide, composed of flour-spar, peach, tin, and copper ore, a promising lode. The cross-cut in the 166, west of Petherick's shaft, driving north from this lode, continues to be in hard rock.—South Lode: In the wings sinking under the 196, seath from Prad's shaft, the lode is 3 ft. wide, yielding low quality tinstone, we expect to reach this lode in the 208 cross-cut, south from Prad's shaft, within two months.

NORTH KINGSTON.—W. Motherell, March 14: We have cut through the lode, which is over 3½ fms. wide, of the same character as before reported; the north part of the lode, which we are now carrying in the end, is 4 ft. wide, composed of soft blue flookan, mixed with friable quarts and sulphur-mundle, carrying two beautiful smooth wails on each side of it.

NORTH POOL.—March 14: In the engine-shaft we continue to sink through a rock containing a great deal of white from, with spots of yellow copper ore, and the character of the country altogether is getting more like lead than any other description of mineral. This induces us to think that we may be nearer to the lode than weimagined some time since, and shall consequently cut into it in the shaft sooner than we thought. Every indication presented by the rock formation through which we are passing leads us to anticipate a good discovery of the lode has considerably improved in the last foot or two sunk. The quartz is of a lighter colour, and it is impreparate with rich yellow copper ore. The size of the lode is about 3½ ft. in width. We shall put in a sollar over the fork of

reservoir in the bottom of the shaft this week, and commence driving out an west at the 70 on Tuesday next. We think the chances are favourable for making good discoveries in one direction as well as the other. We have not such good looking stuff as that now being broken in this shaft since we left as the opening out the 70. The water in the old mine has gone down about 16. We have not opening out the 70. The water in the old mine has gone down about 16. We have not opening out the 70. The water in the old mine has gone down about 16. We have the past month, notwithstanding the continuance of heavy fails of rain. The beary rains are the cuse of a large influx of water into the engine-shaft from within about 12 farthoms of the surface down to the adit, rendering it discovered to carry a light in the shaft, and considerably impeding the rapid sinking which the water, and are suffered to carry out. But with a week or two of dry weather theological water of the shaft, and we store the carry and it cannot be long before we have dry weather theological water of the shaft, and we shall resume the cutting down again next week with all speed. In the addit level cast no change. In the stope in the back of the adit there is a slight improvement, particulars of which I will send you next week.

NORTH ROSEWARNE.—John Sweet, March 13: I am pleased to inform year that we are still making good progress in cutting down the engine-shaft, said that we have nearly completed the timbering of the same. In the additive east the weak weak we have broken in this place on ochange to notice since my last report. In the stope in the back of the adit there has been no change to notice since my last report. In the stope in the sloking of the one of the same. In the additive deat there has been no change to notice since my last report. In the stope in the sloking of the one of the same in the sloke of the adit there has been more settled, consequently the shaftmen are broken in this place of the same part of the same part of the same part of

earpenters expect to complete the excellent of the new 30-15, water-wess as Sailt-Market REGRET,—W. Hancock, March 13: The lode in the 6°, somity engine shaft, has further improved: it is 3 ft. wide, producing is too of simulead or per rathoun, and of a splendid appearance. We have wroten some shad earlier than we calculated on, we consider it augunt well for the future of its mine; and shall next welc commence making preparations to mit the segies, which is a state of its one of the future of its work, and it is a state of its one of the future of its work, and it is a state of its one of the future of its work, and it is a state of its one of off its one, we are now driving in the country syntation of the shad of its one of the state of i

TAM ! TANK THE MINING JOURNAL.

When abandoned the lord of the soil intended to work it himself (Nicholas ill, Eq., late M.P. for the East Division of this county). Looking at the larges for working the mine, and the price for tin and copper, if persecases for working the worked, it will prove a valuable mine to all the

natages for working the mine, and the price for tin and copper, if persentages for working the mine; and the price for tin and copper, if persenterers.

BRAN CONSOLS.—James Nance, March 13: The water at the flat-rod BRAN CONSOLS.—James Kance, March 13: The water at the flat-rod BRAN CONSOLS.—James Kance, March 13: The water at the flat-rod BRAN CONSOLS.—James kance we shall be continued to the bottom of the mine; say the state of the level of

in order to intersect the lodes as early as possible, which we consider e of great importance.

—W. Knott, March 14: The men at the different levels, cast and west shaft, and also at Cook's shaft, are driving by the side of the lode, it there is no change to notice in our different points of operation report.

GR.—J. Gifford, March 12: In the 25 cross-cut south the ground is rable for progress. In the 25 fm. level west we are driving by the side, which we shall commence cutting through this afternoon. We shall samping to-morrow. The north lode in the trial shaft appears to be yields a little tiu, but we are not yet deep enough to ascertain its

no yields a little to, shall be a seen and the ground in the cross-cut is setter than when last reported, and the men are making good progress; we driven 2 fathoms. The end is very dry, and the water has failen off skes per minute on our engine. We are making very fair progress in the piles; we can drive two a day. The engine and pitwork continue

such better than when last reported, and the men are making good progress; her have driven 2 fathoms. The end is very dry, and the water has fallen of they have driven 2 fathoms. The end is very dry, and the water has fallen of they have driven 2 fathoms. We are making very fair progress in their pare this week for driving, having met with a hard bar, which, however, we are now getting through. The lode is the same as last reported. In the loft is miser pare this week for driving, having met with a hard bar, which, however, we are now getting through. The lode is the same as last reported. In the loft is miser, and mixed with lead ore throughout: and I have a better opinion of meeting a good course of lead ore as we come up with the junction of the south loft, which we shall now meet in a few fathoms driving. The cottages and other surface work are progressing favourably; the dressing-floors are being subsed on with, but, as I have before stated, I cannot accommodate dressing interurs until the cottages are completed to receive tenants, which will now be in about six weeks from the present time, after which I shall be able to carry eit he work as promised. At the commencement of our work about the cottages the wet weather was very bad for the masons to work.

20MAN GRAYELS.—Arthur Waters, March 14: The 95 cross-cut, east towards Roman and other lodes, makes fair progress. We are constantly interecting small branches of carbonate of lime and lead ore as the end advances, which we think point to cutting the lodes under the most favourable conditions. The 30 south, on Roman veln, is opening into a wide orey lode, and we may look forward to a coutinuous course of ore from present point to Corfield's at least, which is a distance of about 80 fms. There is we know a splendid course of lead sive fathoms are constantly interecting small branches of carbonate of time and lead ore as the end advances, which is a distance of about 80 fms. There is we know a splendid course of lead after fathom level. The constant of the p

mundle, and spots of lead ore. Our machinery is all in good workif ROMAN GRAVELS.—John W. Powning, March 6: Since my last the
n the deep addit driving north on Spring vein has very much cased, congood progress is now being made. There is no change in the characjoud progress is now being made. There is no change in the characoloid worthy of notice. The lode is still letting out an abundance of
ad has a very promising appearance. Fair progress is being made in
addit cross-cut west.—March 13: The ground in the deep addit north,
gvein, continues to improve for driving, and good progress is being
file lode in present end has opened out to about 2% ft, wide, but is
sordered, composed chiefly of clay-slate, quartz, and carbonate of lime,
tris all flowing from the bottom of the end, leaving the end upward
dry. This shows we are now entering a loose open bede. Looking at
try in which this lode is now embedded, being the blue-slate or leadcock of the district, we might reasonable expect to meet with a deposit
t any day. There is no change calling for remark in the deep addit
we believe my last. March 23. There is no expectation and the state of the control o

my last.
Plose Foote, March 12: There is no change in either of the
ny last. At the 40 north the lode in the present end is unnge—a very promising lode, and letting out more water;
south is looking better—a very kindly lode, and producing
t change to notice.

other change to notice. ONSOLS.—William Vivian, March 11: We are now clearing the

singular altitle change—a very promising lode, and letting out more water; is loss in this level south is locking better—a very kindly lode, and producing the loss in the level south is locking better—a very kindly lode, and producing the loss in the locking better—a very kindly lode, and producing the loss in the locking the lo

THE MINING JOURNAL.

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top of the mountain above the buildings, and the shoot for holding the stuff, where we purpose grating it on its way to the crusher and dressing floors. They will now go on with the piliars for the flat-rods. The wail of the Bod Lake reservoir will be finished this week; but we shall have a little work to rise the back and level it again before leaving it; being made of light stuff it has sunk considerably with the wet weather. Other general work going on regularly.

FOREIGN MINE.

ALMADA AND TIRITO.—The directors have received advices from Mr. Clemes that there are about 23 tons of black concentrated ore, worth about 23 tons of black concentrated ore, worth about 2924 per ton, ready to be shipped from the port of Agi thumps. This is in addition to the 40 tons of ore on the way to England by the No Name, Fleetwing, and Shakaraga.

[For remainder of Foreign Mines see to-day's Supplement.]

THE SELDEN MINING-PUMP.—There is a difference in the manner of working the slide-valves of the steam-cylinder of this pump from the arrangement generally employed in pumps of its class. Immediately above the piston-rod will be seen a smaller rod, on which is a projection or rounded disk, termed, the "dog," This upper rod projects into the steam-cylinder, and also into the pump-cylinder, moving freely in and out of both; of course, in itself it is sociouses. The steam-piston, on nearing the forward gnd of its stroke, strikes against the end of the rod which is in the cylinder, pushing it outward. The dog then strikes against the rocker immediately above it, communicating motion to the valve-rod, and so moving the slide-valve for the return stroke. As the end of the rod in the pump-plunger, in its turn, strikes against the end of the rod in the pump-plunger, in its turn, strikes against the end of the rod in the pump-plunger, in its turn, strikes against the end of the rod in the pump-cylinder; the rocker is again moved, and the slide-valves placed in position for the forward stroke. The movement of the valves jaced in position for the forward stroke. The movement of the valves is unaffected by the length of stroke. And, besides that, as long as the rocker,

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which is only 10 inches from point to point, has space enough to work it matters not how close the cylinders (pump and stoam) be placed together. In fact, this distance need not be more than 22 inches for any length of stroke. Another point of advantage in this is the facility with which the motion can be reversed; a mere pressure of the finger on the end of the rocker being sufficient to alter its position, and so change that of the valves.

VAN CONSOLS.—The recent discovery fully justifies the anticipa-tions of the supporters of this mine. The manager has stated his firm belief that the ore in the 25 fm. level extends for 15 fms. above firm belief that the ore in the 25 fm, level extends for 15 fms, above and 25 fms, below, of the average value of 50L per fathom. At the depth the discovery is one of the richest made, even in this district. In the adit end a most important feature has presented itself—the presence of a large mass of carbonate of barytes, which is only found associated with the richest deposits of ore. The pile of ore already raised has been pronounced by competent judges to be far above the average value of lead lodes.

WHEAL JEWELL.—The five points in operation are producing no less than 10 tons per fathom. The mine generally is opening out in a most encouraging manner, and all practical authorities who have inspected it agree that it will upon development prove of greater value than any mine ever opened out in the Neptune district.

ECLIPSE.—Accounts to hand this week by mail from Capt. Tregellas, under date Feb. 6, confirm the telegram previously received from him, which was as follows:—"Serious delays by storms—now going well. Smelting silver ores; large quantity on hand. Bluett's vein yielding well. Will forward \$25,000 silver monthly." The mill was still idle, but would in all probability resume work the day after report was written. The prospect of large returns of both gold and allver are of the first order, and no doubt can exist of the Eclipse ranking amongst the best of the group of Californian mines.

SAN PEDRO (CHILI) COPPER,—The improving value of copper has caused an increased amount of attention to be directed to the shares of this company, which have been largely dealt in during the week at advancing quotations. The balance-sheets of the late Mr. Sampson Waters show that upon an average return of 6000 quintals of son Waters show that upon an average return or could quintais of 25 per cent, ore per month, with copper at much less than its present value, the net profits for several years amounted to 50,000f. per annum. The produce of the ore has gradually improved in depth, its average now being from 40 to 50 per cent., and those who have known the mine from the date of its discovery, and acted as managers under the late owner, state that there is no difficulty whatever in returning from 6000 to 10,000 quintais of high produce ore per month. A shipment of 50 per cent. ere, of the value of 7000f., has just been made.

no difficulty whatever in returning from 6000 to 10,000 quintais of high produce ore per month. A shipment of 50 per cent. ore, of the value of 70001., has just been made.

GOLD RUN HYDRAULIO MINE,—This mine has cleared \$4000 net profit during the 24 days ending March 10, which is equal to a dividend on the issued capital at the rate of over 33 per cent. per annum. The directors have declared a dividend at the rate of 20 per cent, per annum, and have carried the balance of \$1500 forward towards the formation of a reserve fund. Mr. Raymond, the United States Government Commissioner of Mines, in his official report for 1871 on the mines, mills, and furnaces of the Gold Run Company, says:—"The most extensive claims in the district are those of Brogan and to., at Indians Hill, a brief description of which will convey an idea of the character of mining operations here. This company has a large are of ground, expering a face of hydraulic dirt 250 ft. in height, all of which, except some thin layers of pipe-clay and and, is pay dirt, with no indication of the proximity of the lower stratum of blue cement. The bank exhibits alternate layers of hydraulic dirt. gravel, sand, and pipe-clay, with an occasional layer of lightle a few inches in thickness, which is found at a depth of from 100 to 240 ft. They run 1000 inches of water per 24 hours through two Hoskin nozzies, 44, in. diameter each, under a pressure of 290 ft. The Hoskin nozzie is a local invention, and does not materially differ in its operation from those aircady described. Formerly 500 inches were run, in four streams of 2½ in. in diameter each, ruquiring a man to each stream. Through these streams water could be effectively thrown more than 100 feet, but the improved nozzies will do execution at 200 feet, dispense with the labour of two men, ensure the safety of human life in case of the banks and the softness of the dift-and will run of 100 per cent. more dirt than the same amount of water run through 2½-in. nozzies. This immense body of water is conducted

THE ERIE

THE ERIE RAILWAY COMPANY.

The undersigned have, by request of many large holders of Erle Railway Stock, undertaken to act as a committee to represent the interests of the European shareholders.

To complete the re-organisation of the Erle Company upon a sound and permanent basis, it is considered desirable to place in the hands of the committee the shares of the company, to be represented by certificates. This will ensure the shares of the company, to be represented by certificates. This will ensure the transfer of a controlling majority of shares to the names of the committee, for the protection of the proprietors, who have heretofore been excluded from any control in the management of their property.

The committee have been advised by cable that the following gentlemen of the highest position of respectability and financial strength have been elected directors, and have taken their seats at the board:—

GEN, JOHN A. DIX.

GEN, GEO. B. MCCLELLAN,

H. L. LANSING,

B. L. M. BARLOW,

F. N. DRAKE,

General Dix has been elected President. W. Watts Sherman (Duncan, Sherman and Co.), treasurer. S. L. M. Barlow, counsellor. Messrs. Barlow, Larocque, and McFarland, attorneys. Messrs. Bischoffsheim and Goldachmidt, agents in Europe.

The committee carnestly request shareholders to deposit their certificates implementative with them.

rocque, and McFarland, attorneys. Messrs. Bischoffshelm and Goldschmidt, agents in Europe.

The committee earnestly request shareholders to deposit their certificates immediately with them as the offices of Messrs. Bischoffshelm and Goldschmidt, who will issue certificates, and as soon as practicable apply for a quotation upon the Stock Exchange. Should any depositor prefer the shares registered in his own name, the committee will have the registration perfected free of expense, receiving the proprietor's proxy.

Mr. Bischoffshelm, deeming it inconsistent with the position of his firm as agents in Europe for the Eric Railway Company that he should remain on the shareholders' committee, has retired in favour of Mr. Cryder.

Your obedient servants,

WILLIAM WETMORE CRYDER,

GILSON HOMAN,

ALEX. DE LASKI,

JOHN STEWART.

Founders' Court, Lothbury, London, E.C., March 18th, 1872.

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gineering, &c. &c.
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With this week's Journal a SUPPLEMENTAL SHEET is given, which contains: Mr. Warington Smyth's Lectures at the Royal School of Mines—fronworks and Collieries in Yorkshire—Shaft Sinking through Water-bearing Strata—Hobbs Hill Mining Company—Foreign Mining and Mctallurgy—Quicksliver Trade—Mining on the Pacific Coast—Foreign Mines Reports—Patent Matters, &c.,—Original Correspondence: Mines Inspection Amendment Bill, No. VII.; Coal Industry of Slicala, and the Changes of the Coal Prices during the last Year; Variable Expansion Gear for Winding Engines; Legitimato Mining—s Word to Investors (R. Knapp); Can our Deep Cornish Mines be Profitably Worked? (R. Tredionick); Mineralogy of Utah (T. I., Phipson); Scientific Mining in Kngland (G. Tabor); Queen Mine (J. W. Doble); Chontales Goid and Silver Mine (T. Belt); Brazilian Gold Mining Companies, and Captain Treloar; St. John del Rey Mines; Foreign Mining Speculations; What to Select, What to Avoid, No. XIV. (F. W. Mausell); Terras Tin—Private Circulars (Mariborough and Co.); New Wheal Lovel!; Mining in Aberystwith; New Yan Mining Company (J. P. Endean); "Circular Mining" (T. S. Jackson), &c. With this week's Journal a SUPPLEMENTAL SHEET is given,

The Mining Market; Unices of Metals, Gres, &c.

METAL MARKET-LONDON, MARCH 15, 1872.

	COPPER. & s. d. & s. d.		
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1	TIN-PLATES.* Per box.	LEAD. Per ton.	
	IC Charcoal, 1st qua. + 1 16 0- 1 18 0	English Pig, com 19 7 6	
•	IX Ditto, 1st quality 2 2 0-2 4 0	Ditto, LB	
٠	IC Ditto, 2d quality 1 14 0- 1 16 0	Ditto, WB21 0 0	
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	IC Coke 1 12 6	Ditto, red lead21 0 0	
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	Canadaplates, p. ton 16 0 0-	Ditto, patent shot 22 5 0	
	Ditto, at works 15 0 0-	Spanish	
1	210001 40 111120 11001110 0		
	• At the works, 1s. to 1s. 6d. per b	ox less. 7 Add 68. for each A.	

Terus-plates 2s. per box below tin-plates of similar brand.

**At the works, is, to is, 6d, per box below the plates of similar brand.

**Terue-plates 2s, per box below the plates of similar brand.

**REMARKS.—Great activity in some of the most important branches of the metal trade, and general steadiness in all, has been the order of the day throughout the past week. Looking back upon the experience of the past five or six weeks, there seems to have been really no adequate reason for the Alabama question ever to have assumed the importance which it attained, but it is of little use to moralise and to be wise after the event; the fact remains the same, that the Alabama question did entirely upset the event tenor of our markets, and stayed the onward progress of events which it had been our pleasing duty, during the early weeks of the new year, to record. It was not until after our Issue a week ago that confidence became fully restored; but the transactions of the week are of so extended a character, and in some instances at such rapidly advancing prices, that we trust there may not be a relapse as sudden as has been the rise. The cause for such relapse is not, we believe, to be found in any unsound inflation, for statistics go to show that stocks generally are moderate, and that demand for consemption is on the increase, but rather from spasmodic action, such as has lately taken places, which possibly, occurring again, might once more temporarily arrest the onward progress.

COPPER.—The slightly improved tone noted in our article last week has sculminated in a very considerable rise in the price of foreign. The cash price for Chill was then 821, 10s. to 834, while to-day transactions have taken place at 871, cash, and 884, 10s. six weeks prompt. The principal holders decline to realise even at these prices, and as the demand second seconds of the determination of India subjects up to the districts. Several orders have been given out for India, which is a most encouraging feature, on account of the determination of India subjects and to the foreign of the principal bu

LB, 194, 10s. Zinc, London rolled, has been sold at 25t, to 25t, 2s, 6d SPELTER.—The market has improved for Silesian, and parcels have changed hands at full and rather higher prices. Spot, 22t, 5s, to 29t, 10s, Employed

221, 10s.; English hard, 15t. to 16t. QUICKSILVER.—A fair business is being done at 10t. per bottle. Sellers very firm,

TIN-PLATES are very strong, a very good demand for both coke and charcoal exists, and prices are still advancing.

STEEL is rising in value. Swedish keg cannot now be purchased to come forward under 161, 5s. to 161, 10s., and there is no stock in London. The value of faggots is 20s. to 40s. per ton more. Good demand for English, at full prices.

demand for English, at full prices.

TIN.—In English an official rise of 2l, per ton has taken place since our last report, but it is difficult, if not impossible, to buy at official rates, as sellers are looking for a further rise of at least 2l, or 3l, per ton. The position of this metal has been greatly strengthened by the announcement of the spring sale of Banca tin in Holland, the quantity to be offered for sale being only from 52,000 to 53,000 slabs; the price quoted there is 90 fls. Straits tin at once responded to this new feature of the market, for it was expected that the quantity of Banca to be put upon the market would be larger. Straits, quoted by us last week at 14l. cash, and 14l. for six months' delivery, has been since sold at 14ll., and the market closes today, sellers' quotations, 150l. cash.

or six months' delivery, has been sine day, sellers' quotations, 1801. cash.

ZINC TRADE.—Our Correspondent (Breslau, March 9) writes—In spite of the unfavourable reports from England the price of Spelter has remained firm here, although during the last weeks very few transactions have taken place. It is reported that during the last few days a sale has been made at about 231, 10s. per 10n, delivered in London, so that the current prices there prohibit any business in Sileaian spelter. In sheet sine it has lately only been possible to sell to England at very low prices, leaving hardly any margin for profit, while in Germany no reduction has as yet been found necessary, and it has remained at the highest price obtained within many years, nor is it expected that spelter will ever go much lower again here for any length of time, as the higher wages and coal prices, as well as the inferior quality of the calamine now obtained in comparison with former years, have raised the cost of production considerably. Many foundries have been put out of work, and the difference in the production of spelter has exceeded by far the quantity expected thought that it would be more than 30,000 cwts. less during the last after the statistics have been collected, it has been found that In it duction of spelter amounted to 730,351 cwts., and in 1871 only to 839, a difference of 90.552 cwts., or 14 per cent. ction of speiter amounted to 730,361 cwi ifference of 90,557 cwts., or 14 per cent.

IRON TRADE—(Griffiths's Weekly Report).—Pig iron has advance considerably in Glasgow this week. The price on the Glasgow Exchange in day is 89s. 1½d. one mouth and 89s. 3d. cash; here the price is 89s. 4d. cash 89s. one mouth—showing an established advance during the week of 6s. Dec. Both markets look healthy, and higher prices are looked for. Shipments withing favourable both at Glasgow and Middlesborough. Our market coulans steady for all kinds of iron. Ship-plates, hoops, nail-rods, sheet-inouther dinary bars are in active demand, and a good general business has been deal these sorts this week. Concessions this week have been made in Stanfordship the colliers by the coalmasters, which advances the price of coal in that is trict is, per ton. This state of things tends towards higher values for flushed iron. Pig-iron is constantly increasing in value, and the Stanfordship mass fracturers frequently refuse orders at present rates.—Cannon-street, Lonka March 13.

THE TIN TRADE, -Messrs, Van Houten and Ebeling (Rotterla

THE TIN TRADE.—Messrs. Van Houten and Ebeling (Rotterlam March 13) write:—The Dutch Trading Company has this day fixed the Spris Sale of Banca and Billiton Tin to take place in Rotterdam, on April when \$2,800 slabs Banca and 2600 slabs Billiton will be brought for word in two for 100 slabs. The directors further give notice that not in will be will be the state of 100 slabs. The directors further give notice that not in will be supported in the confidence of the market by them before the autumn sale this year; also that till thingst the market by them before the autumn sale this year; also that till thingst the market by them before the autumn sale this year; also that till thingst the confidence of the sale in the confidence of the sale in the confidence of the sale will the confidence of the sale will be of Government account. The above engagement does not apply to the being to other parties. The catalogues with the conditions of the sale will issued in due time.

TRADING COMPANY'S SALES DURING THE LAST TEN YEARS, 1863—June 25 ... 185,193 slabs, sold at 6734, fl.

1864—June 29 ... 186,921 .. June 18 ... 40,489 sold, at 55-05 fl., the remainder withdrawn.

Sept. 30 ... 91,108 all sold, viz. -89,587 Banca, 54½ fl.

April 1 ... 50,187 , 49,447 Banca, 53½ fl.

Oct. 1 ... 62,727 , 61,632 Banca, 72½ fl.

March 31 ... 78,554 , 76,862 Banca, 72½ fl.

Oct. 7 ... 80,004 , 76,862 Banca, 72½ fl.

March 30 ... 80,791 , 1691 Billiton, 72½,78½ fl.

Sept. 28 ... 85,268 , 83,217 Banca, 7880,100 fl.

Sept. 28 ... 85,268 , 2,007 THE LAST TEN YEARS. 1869 Oct. 7...... 80,004 ,, March 30 ... 80,791 ,, 1871 Sept. 28 85,268 ,,

Average price of the ten years, 65 ft.

COPPER.— Messrs, James and Shakspeare—Furnace material is scarce; one carge of regulus to arrive has soid at 16s, 9d., but 17s. has slee been refused for a parcel on the spot, and we doubt whether any important quantity could be secured except at 17s. 6d, per unit. Bars show a rise slee Friday last of about 5l, per ton, and several thousand tons have changed hands at intermediate rates. The sales were chiefly to arrive, or with extended prompt, owing to the scarcity of available spot parcel, but the movement began by purchases of all the cash lots offering on reasonable terms. By the addies be band yesterday from Chill, and dated 2d nile. It appears that the report of as error in the sto eks there (to which we alluded in our Circular of 1-t int.) is actually the case, and the letters confirm the fact that they were over-estimated by fully 350 tons. In addition to this, it would seem that the produce of regular by fully 350 tons. In addition to this, it would seem that the produce of regular that form, and which quantity absorbed all the available stocks; the concurrence of this operation is that shipments of furnace material will be short for some time to come, and metal that might have come in regular to this construction is that shipments of furnace material will be short for some time to come, and metal that might have come in regular to this construction is that shipments of furnace material will be short for some time to come, and metal that might have come in regular to this construction of the shape of bars or ingots. The news, of which we have just given an epitome, has further strengthened the market, and we close with strong demand at a trifle how full rates. Australian has participated in the improvement, and large sain have been made during the present week from 92l, 10s. to 98l, cash, for wallars and Burra cake; 93l, 10s. to 9 l. being paid for parcels with various extended prompts. English is likewise in better demand, and there is now but littled. This,—Eng

TIN.—English has advanced in sympathy with foreign, and is now TIN.—English has advanced in sympacty with foreign, and is now 6s, per cwt. above last week's quotations. Straits has rison since 8th inst. slow 6s, per cwt. Sales during the week have amounted to about 209 tons, at price ranging from 143s, 6d. to 150s, per cwt., both for cash and arrival, and the saket closed yesterday with every indication of a further rise in value. Baceis likewise firmer, and there is scarcely any to be obtained under 15s. in washouse here; in Holland the quotation is 90 fls. On Wednesday the Dutch Taking Company declared, for their sale on 11th proximo, 55,400 slabs, comprising 52,800 slabs of Banca, 2500 Billiton, the smallness of which quantity has 10 doubt been the chief cause of the improvement.

The settlement of a heavy fortnightly account in the MINING SHARE MARKET this week has somewhat interfered with business, but a

The settlement of a heavy fortnightly account in the MINING SHAR MARKET this week has somewhat interfered with business, but further advance in the price of tin has made the market generally more buoyant, and a few of the prominent tin mines have had a considerable advance. There is an impression abroad that tin will som reach 100% per ton, and this may in some measure account for the great and increasing demand for tin mines. Copper also, it is thought, will have an advance in price very shortly.

The mines mostly in demand this week have been New Treleigh, New Rosewarne, Old Bottle Hill, East Basset, Van Consols, Pennerley, Tankerville, East Basset, Tincroft, West Basset, Wheal Lucy, West Lucy, West Tankerville, Whaal Kitty (St. Agnes), North Roswarne, East Lovell, Carn Bren, Cook's Kitchen, Bog, Eberhardt and Aurora, and a few others.

Van Consols have advanced to 6, 6½; the 26, west of Little's shaft, a reported worth 40% per fathom. A rise in back of this level is worth 45% per fathom. The drivage is still passing over a good lode of ore, estimated at 50% per fm. East Van shares have advanced to 8½, 9½. New Rosewarne have risen this week from 16 to 40, 50; the mine is in 1000 shares of 4% paid, and was introduced about the same time as Treleigh Wood, and by the same parties. In the 53 atope the lode is now worth 50% per fathom for tin; the end in the 46, west of Poole's, is worth 25%. Prince of Wales, 15% to 17% 64; the 65 east is yielding good work for tin; the 77 west is worth 20% per fathom for copper. West Godolphin, 1½ to 2½; Bog, 2½ to 2½; Bronfloyd, 80 to 90; Carn Brea, 142½ to 147%.

New Pembroke, 4½ to 4½; at the meeting the accounts showed a profit on the four months' working of 992%, and a dividend of 32.per share was paid, leaving 202% in hand. Pendarves United, 42½ to 45; at the meeting here the accounts were made to show a profit of four months' working of 595%, and a dividend of 32,per share was paid, leaving 202%, in hand. Pendarves United, 42½ to 45; at the meeting here the accounts were m

four months' working of 595*l.*, and a dividend of 2*l.* per share (512*l.*) was declared. The costs, however, were charged up to October, and the tin credited to the day of meeting. Credit also is taken as an asset for 5003*l.* costs paid. The amount due to merchants is 3326*l.* The mine itself is looking well, and it is to be regretted that the accounts should be allowed to remain in their present form. The various points of operation in this mine are valued in the aggregate at 341*l.* per fathom. Polbreen, 8 to 2½; West Polbreen, 3½ to 3½. Hobb Hill, 30s. to 35s.; a call of 1000*l.*, we understand, has been made to erect and put in order more stamps, and it is expected the mine will then yield good profits.

Rosewall Hill and Ransom United, 23s. to 25s.; at the meeting here there was a profit on the three months' working of 33*l.*, and 111*l.*

then yield good profits.

Rosewall Hill and Ransom United, 23s. to 25s.; at the meeting here there was a profit on the three months' working of 33L, and 11L against the company. The tin sold during the quarter (22 tons) relied 1916L. East Pool, 17½ to 18; the accounts presented showed a profit on the two months' working of 807L, and a dividend of 80%, or 2s. 6d. per share, was declared. The liabilities of the mine, including the "suspension account," to which we have often alluded, amount, it is said, to 6372L, against which there is a balance at the bank of 1627L, and other assets.

West Lucy, 3½ to 3½; Herodsfoot, 36 to 38; Marke Valley, 4 to 4½; Nanjiles, 1½ to 1½; New Lovell, 2½ to 2½; North Lovell, 4½ to 5; North Rosewarne, 7 to 8; Old Bottle Hill, 14 to 16; Parys Mountain, 2½ to 3; Penhalls, 4 to 4½; Pennerley, 4½ to 4½; Perkins Beach, 1½ to 1½; Plynlimmon, 1½ to 1½; Providence Mines, 25 to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 18 to 19. South Roman Gravels, 25s. to 27; Roman Gravels, 25s. to 27s. 6d.; the lofe to 25s. to 27s. 6d.; the lofe to 25s. to 27s. 6d.; the lofe to 25s. to 27s. 6d.; t

es. 52½ to 57½; St. Aubyn United, 37½ to 42½; St. Ives Consols, 22½ cos. 52½ to 57½; St. Aubyn United, 37½ to 42½; St. Ives Consols, 22½ cos. 52½ to 35½; St. Aubyn United, 37½ to 42½; St. Ives Consols, 22½ cos. 52½ to makerville, 18 to 19; the mine has sold this week 100 tons to feed ore, at 13%. 7s. per ton. West Tankerville, 3½ to 4½; the sale of feed ore, at 13%. 7s. per ton. Authority of the sale of feed ore, at 13%. 7s. per ton, and 30 tons of blende at 5%. 14s. here is 20 tons of lead at 13%. Per ton, and 30 tons of blende at 5%. 14s. here is 20 tons of lead at 13%. Per ton, and 30 tons of blende at 5%. 14s. North Levant, 16 to 17; at the meeting the accounts showed a profit of 1505% on the six months, which, with a former credit, made the of 1505% on the six months, which, with a former credit, made the of 1505% on the six months, which, with a former credit, made the of 1505% on the six months, which, with a former credit, made the of 1505% on the six months, which, with a former credit, made the of 1505% on the sale and independent of 1600%. Cos. St. East Basset, 26 to Great Consols, 100 to 110; Dolcoath, 90 to 95; East Basset, 26 to Great Consols, 100 to 110; Dolcoath, 90 to 95; East Basset, 26 to Great Consols, 100 to 110; Dolcoath, 90 to 95; East Basset, 26 to Great Consols, 100 to 110; Dolcoath, 90 to 9½. Wheal Lucy Great North Laxey, 1½ to 1½; Great Vor, 8½ to 9½. Wheal Lucy Great North Laxey, 1½ to 1½; Great Vor, 8½ to 9½. Wheal Lucy Great North Laxey, 1½ to 1½; Great Vor, 8½ to 9½. Wheal Lucy Great North Laxey, 1½ to 1½; Great Vor, 8½ to 9½ wheal Laxey much improved, states that the end east of south cross-cut has very much improved, states that the end east of south cross-cut has very much improved, states that the end east of south cross-cut has very much improved, states that the end east of south cross-cut has now more than has sold over 200% worth of tin in the stone, and has now more than has sold over 200% worth of tin in the stone, and has now more than has sold over 200% worth of the st

The market for Mine Shares on the Stock Exchange during the The market for mine Shares on the Stock Exchange during the week has been active. Prices generally have advanced. Sweetland Creek, Birdseye, Eberhardt, Camp Floyd, Emma, Flagstaff, and San Padro have been in special demand.
Lead and Tin mine shares have also commanded marked attention.

Pedro may be added in mine shares have also commanded marked attention. Lead and Tin mine shares have also commanded marked attention. The snow blockade which for three weeks delayed the transmission of letters over the Union Pacific Railroad having been cleared, the advices to had from many of the mines on that coast are of an important character. Birdsey clear, to the clean-up resulted in a net profit of 1100. Birdsey clear, to the clean-up resulted in a net profit of 1100. Birdsey clear, to the company have declared the first womenthly dividend of 2s, per share. Eberhardts have risen to 14, buyers, and South Aurora to 2½.

Sweetland Creek shares have been in considerable demand, and close 3½, 4.

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and south Aurora to 2½.

Swetch of Creek shares have been in considerable demand, and close 3¾, 4.

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Swetch of Creek shares have been in considerable demand, and close 3¾, 4.

Swetch of Creek shares have been close the considerable reports that the ore specified and annuary amounted to 70¢ tons, and was worth at the lowest estimate 137 per ton, while the cost of raising was only \$6 per ton. The mill is expected of the property of the shares of the shipment of 30 per cent. ore of the value of 70001.

With, 4¾ to 4½; the company's superintendent advices that he is raising hare quantities of ore, and making arrangements to re-commence smelting, which he expects to do with extremely good results.

Behmond Consolidated, ¾ to 1½ prem.; Pacific, 2½ to -7½; the advices in another column show the mine to be turning out very rich ore, 20 tons of which raised \$600, after paying all expenses. Colorado Terrible, 3½ to 4; Slerra Buttet, 4½ to 5; Belipse, ¾ to ½.

In Lead Mines, East Vans have risen to 9¼, 9½; the lode in the shaft exhibits forther improvement. Van, 47½ to 50. Pennerley, 4½ to 4½ to 3/4; a very large business has been transacted in these shares. Van Conosis, 6 to 6½. Bog. 3½ to 2½; the mine is being steadily drained. The sale this month has increased stons. Roman Gravels, 173¼ to 18½; Tankerville, 18¾ to 19; West Tankerville, 4 to 4¼; Perkins Beach, 1¼ to 1½.

Copper Mines have been enquired for. Cape Coppers have risen to 11, 11½ copper Mines have been enquired for. Cape Coppers have risen to 11, 11½ copper.) Peven Conosis shares are rather better at 107½ to 112½; Marke Valley, 4 to 4½; Rat Caradon, 4½ to 5; West Caradon, 5s. to 6s.

There has been a rise in the price of Tin, and a consequent advance in the hares of the leading tin mines. Carn Brea, 142½ to 145; East Lovell, 17½ to 18½; Graves of the leading tin mines. Carn Brea, 142½ to 145; Parys Moun
Sal joined are the closing quotations — Great Laxey, 14¼ to 16; Parys Moun-

shares of the readment of the state of the state of the readment of the state of th

TIN TRADE. - The standards of tin ore were advanced on Tuesday, and are now as follows:—Common, 139s.; superior common, 140s., fae, 141s.; superior fine, 142s.

Mesrs. H. L. Bischoffsheim, E. H. Green, Gilson Homan, Alex. de Laski, and John Stewart have undertaken to act as a committee to represent the interests of the European shareholders in the ERIE RAILWAY COMPANY, and ultimately to join the board of directors. In order to ensure the complete re-organisation of the company upon a sound and permanent basis, it is considered desirable to place in the hands of the committee the shares of the company, to be represented by certificates, which will be given in exchange. This course is necessary to ensure the transfer of a controlling majority of shares to the names of the committee, for the projection of the proprietors, who have heretofore been excluded from any control in the management of the highest position of respectability and financial strength have been elected directors, and have taken their seats at the board. Their names, and an invitation to shareholders to co-operate, will be found in another column.

The ERGLODD AND PENFOMPREN SILVER LEAD MINING COMPANY, with a capital of 30,000 l., in shares of 5 l. each, has been formed to purchase for 15,000 l., and work the mines of the same name at Talybont, Cardiganshire, in the immediate neighbourhood of the Allty-Crib and Welsh Potosi, the latter of which has paid as much as 75,000 l. a-year in dividends. Both directors and secretaries have agreed to defer receiving any remuneration until the company is in a dividend-paying state, and until then no charges will be made for the offices of the company. The properties, 400 acres in extent, are held on lease of more than 30 years at one-fourteenth royalty. The buildings aiready upon the property are a substantial dwelling-house for the resident manager, counting-house, stabling, smithy, storehouse, and powder-house, crusher-house, and wheel-pit, which, together with the various shafts and levels, are available for immediate and expeditious working. Mr. Schmidt, C.E., recommends the purchase of the property at the price named, feeling confident that with the outlay of 1500 a large and remunerative return may be expected. Mr. Jehu Hitchins also exposes a favourable opinion upon the enterprise. Capt. Absolom Francis is fully maximed it will make one of the richest, if not the richest, mine yet laid open in this country. Capt. T. L. Cottingham states that the produce of the east and we tolder anges from 55 to 85 per cent. of lead, and from 15 to 80 oz. of silver per ton of ore, besides blende and sulphate of zinc; the cross-courses also produce lead, copper, and calamine or carbonate of zinc. The prospectus will be found in another column.

The BELSTONE MINING COMPANY, formed in 1869, with a capital The ERGLODD AND PENPOMPREN SILVER LEAD MINING COM-

The BELSTONE MINING COMPANY, formed in 1869, with a capital The BELSTONE MINING COMPANY, formed in 1869, with a capital of 20,000*l.*, are inviting subscription for 5000 additional ordinary shares of 1*l.* each, created to increase the capital. The original purchase of the property and discharge of liabilities taken over by the company left barely 5000*l.* working capital, out of which about 1800. baskeen expended in the crection of new and powerful bauling machinery, bease the need of further capital, The property has been favourably reported place the same Richards, Joseph Richards, and John Edwards, and copper, over of the very highest quality is now being raised and sold. The prospectus

COAL MARKET .- The fresh arrivals this week numbered 93 ships. The demand for household coal continued dull throughout, and prices are fully 6d. lower. No change in Hartley coals. South Hetton Wallsend, 19s.; Tees Wallsend, 19s.; East Hartlepool Wallsend, 18s. 9d.; Hartlepool Wallsend, 18s.; Kelloe Wallsend, 17s. 6d. Unsold, 7 cargoes: 15 ships at sea.

AUSTRALIAN GOLD.—The new year has commenced pretty well as egards the imports of Australian gold. In January the receipts leve 994,5412, against 1,103,6452 in January, 1871, and 733,3652 in January 1871, and 7352 in January 1871, and 7352 in January 1871, and 7352 in January January, 1870.

EBERHARDT,-Judging from the information received by tele ams, considerable profits are now being realised. The tramway is bring well, and the International Mill is fully supplied with ore

BENSBURG LEAD MINING AND SMELTING COMPANY.—The direc tors have sent out the letters of allotment and regret, and Messrs. Robert Charl and W. M. Bird (late of W. Bird and Co.) have joined the board of direction.

ECLIPSE GOLD MINING COMPANY.—The directors have this day received from the mines through their agents, Mesars, Balfour, Guthrie, and Co., of San Francisco, five bars of gold, valued at \$4500.

COAL WORKING IN SWEDEN.

THE HOLDER of CONCESSIONS to WORK an EXTENSIVE PROPERTY, beneath which are valuable SEAMS of COAL of various thicknesses, up to 8 feet, desires to meet with a COMPETENT COLLIERY ENGINERI, willing to UNDRETAKE the ENTIRE CONTROL of the WORK-ING and RAISING the COAL to the pit's mouth upon contract. For full particulars, address Mr. H. ATKINSON, 35, Wharf-road, City-road, N.

GLAMORGANSHIRE.

TO COAL MERCHANTS AND COLLIERY PROPRIETORS THE ADVERTISER HAS UPWARDS OF 200 ACRES OF FIRST-CLASS BITUMINOUS COAL TO LET, having every railway accommodation, and the coal proved to the thickness of 12 ft. in one vein, and within a short distance of port.

Apply to "Advertiser," care of Mr. Williams, Printer, &c., Bridgend, Glamorganshire.

A WELSH LEAD MINE.

A WELSH LEAD MINE.

A PARTY, who have expended upwards of £200 in the development of the above, would be glad to ASSIGN ONE-HALF of their INTEREST in the same (one-half of the mine) to any party or parties whe would undertake to EXPEND £300 in the FURTHER DEVELOPMENT of the MINE. There are four splendid looking lodes already discovered, all producing lead, blende, and barytes, and very favourably reported upon by some of the highest authorities of the day.

Full particulars, with reports, plans, &c., will be forwarded on application to "Y.," Post Office, Bangor.

TO IRON AND COAL MASTERS, &c. A GENTLEMAN, an ENGINEER, experienced in Management, desires an APPOINTMENT as Confidential, Practical, or General MANAGER of IRONWORKS, COLLIERY, or IRONSTONE MINING, &c., &c. High-class certificates of integrity, practical and business ability, &c., Address, "Fides," care of Messrs. E, Mariborough and Co., 4, Ave Marialeae Louden.

CIVIL AND MINING ENGINEER AND SURVEYOR, of extensive practice, will shortly have a VACANCY for an ARTICLED A CIVIL AND MINING ENGINEER AND SURVEYOR, of extensive practice, will shortly have a VACANCY for an ARTICLE PUPIL.

Address, "W. B.," MINING JOURNAL Office, 26, Fleet-street, London, B.C.

WANTED, by the BOWLING IRON COMPANY (Limited), A CHIEF ENGINEER for their works.

Apply to "Managing Director," Bowling Ironworks, Bradford.

MINING. ANTED, for a SILVER MINE, a FIRST-RATE MINING ENGINEER, with a thorough knowledge of amalgamating. A high apply to "G. M.," 6, Jermyn-street, St. James's.

WANTED, for the GRASSINGTON LEAD MINE, Skipton, Yorksbire, SIX STEADY EXPERIENCED SHAFTMEN. Permanen amployment. None but thoroughly good workmen need apply. Address, J. R. Eddy, Town Hall, Skipton.

WANTED, a SITUATION, at home or abroad, by a Person of long practical experience in TIN and SILVER-LEAD SMELTING and MINING OPERATIONS. Speaks Spanish. Good testimonials.

Address, "Mina," Pest Office, Flymouth.

WANTED, an ASSAYER and REDUCTION OFFICER for a SOUTH AMERICAN MINING COMPANY.
Address, with full particulars, "S. A.," 8, Birchin-lane, London, E.C.

WANTED, a COLLIERY MANAGER.—A good practical Man to MANAGE a LARGE COLLIERY, and well acquainted with LONG WALL WORKING. To a thoroughly capable manager a liberal salary with Address, "Box B 14," Post Office, Leeds.

WANTED, a few Parties to join the Advertiser in developing a very valuable FREEHOLD MINERAL PROPERTY in NORTH STAFFORDSHIRE, from which both COAL and IRONSTONE of superior qualities are being raised for sale. Additional capital is required to extend the present operations, and erect blast-furnaces.

Apply to Messrs. SAUNDERS and Lewis, Estate Agents, Derby.

MINING AGENT.

MINING AGENT.

WANTED, ONE THOROUGHLY COMPETENT to INSPECT and REPORT upon a LARGE PROPERTY in SOUTH AMERICA. Apply, stating qualifications and terms, to "A. B.," No. 27, Gresham-street, London, E.C.

WANTED, in the Office of a Civil and Mining Engineer and Surveyor, A COMPATENT ASSISTANT.
Address, stating age, salary required, &c., to J. G. Kimpton, 40, St. Mary's Gate, Derby.

WANTED, a PUSHING MAN as UNDERVIEWER for a SILKSTONE COLLIERY in the MIDLAND COUNTES.

Address, by letter, with references, to "Colliery Owner," Post Office, Chester-

TO CORNISH MINING CAPTAINS, AND OTHERS. WANTED, an IRON ORE SETT, situated near Railway or Port. A liberal commission will be paid for the introduction.

Apply to "J. H.," 2, Circus-place, Finsbury-circus, E.C.

WANTED, a NEW or GOOD SECOND-HAND STEAM CRAE or CAPSTAN (without boiler) to lift 12 tons; drum about 4 feet diameter.

Apply to Mr. G. C. GRBENWELL, Poynton and Worth Collieries, near Stockport.

WANTED, TO PURCHASE, a WATER-WHEEL, in good state of preservation, 40 ft. in diameter, by 3 ft. or 8 ft. 6 in. breast. Apply, with price, and full particulars, to "J. H.," 2, Circus-place, Finsbury-ircus, London, E.C.

WANTED, TO BUY, ABERDOVEY LEAD MINE SHARES, attuated near Towyn.
Address, MILLETT THOMAS, 64, Duke-street, Liverpool.

HARES FOR SALE:

300 JAVALII
200 BLAEN CAELAN
50 NORTH FOOL
Offers for the whole, or any part (the former preferred), may be sent to
F. R. S.," MINING JOHNAL Office, 26, Fleet-street, E.C.

PAILS FOR SALE, 36 lbs. flange and 80 lbs. steel topped.
DOUBLE-HEADED RAILS, new and slightly defective, AT VERY LOW
PRICES. Also, other sections, up to 82 lbs.
Apply, BREYEN, RICHARDSON, and Co., Newcastle-on-Tyne.

FOR SALE, a good and strong 80 inch ENGINE, 10 feet and feet 3 inches stroke, with or without THREE 11 tons BOILERS. Also, a large quantity of PITWORK, BALANCE BOBS, &c.
Apply to WEST and SONS, Par Station, Cornwall.

Apply to WEST and SONS, Par Station, Cornwall.

THE GREAT WEST CHIVERTON MINE COMPANY (LIMITED).

Notice is hereby given, that a SPECIAL GENERAL MEETING of the shareholders of this company will be HELD at the office of the solicitor of the company, Mr. WALTER WEBB, No. 27, Gresham-street, in the City of London, on THURSDAY, the 28th day of March iostant, at Twelve o'clock precisely, for the purpose of considering the desirability of winding-up the company voluntarily, and of considering a proposed agreement for sale of the mines and mining rights of the company and the property in, upon, and about the same, or used in connection therewith, to a proposed new company, in consideration of shares in the proposed company, and that at such meeting resolutions will be submitted to wind-up the company, rad to appoint a liquidator thereof, and to approve the proposed agreement, and to authories the liquidator to enter into the proposed agreement, and to carry the same into effect.

By order, GRORGE HARBER, Secretary.

Dated 70, Cheapside, this 14th day of March, 1872,

THE GOLD RUN HYDRAULIC MINING COMPANY

Netice is hereby given, that the Directors have this day DECLARED the FIRST MONTHLY DIVIDEND, at the rate of TWENTY PER CENT. PER ANNUM, payable on the 25th instant.

The Transfer-books of the company will be closed from the 20th to the 25th instant inclusive.

By order, WALTER HUGHES, Secretary.

8, Finch-lane, London, E.C., 13th March, 1872.

THE BIRDSEYE CREEK GOLD MINING COMPANY

Notice is hereby given, that the Directors have this day declared a FIRST BI-MONTHLY INTERIM DIVIDEND of TWO SHILLINGS PER SHARE, free of income tax, payable on and after the 20th inst.

The transfer-books will be closed from the 15th to the 18th inst., both days inclusive.

By order, W. J. LAVINGTON, Secretary.

14A, Austinfriars, London, E.C., March 12, 1872.

TOLIMA MINING COMPANY (LIMITED).—
The Board of Directors hereby give notice that they have this day DE-CLARED an INTERIM DIVIDEND on the paid-up capital of the A shares for the HALF-YEAR ENDING the 30th November last, at the rate of 10 per cent, per and my payable on the 21st instant. And they further give notice that the Transier-Books will be closed from the 18th to the 25th inst., both inclusive. By order.

WM. W. HOLMES, Secretary.

ZINC AND LEAD ORES

I BUY at the HIGHEST PRICES :-BLENDE,-CALCINED and RAW CALAMINE (carbonate or silicate). LEAD ORES.—LEAD-SILVER ORES.—SILVER LEAD ORES. ZINC AND LEAD ORES MIXED TOGETHER. SILVER LEAD in a rough state (containing antimony, &c.) SULPHATE OF LEAD, ASHES, SLAGS, &c.

I BUY any quantities, however large, contracting for as many years as de red. Particulars by letter. ARMAND FALLIZE, Ingénieur, à Liège (Belgium).

NEW VAN MINING COMPANY

NEW VAN MINING COMPANY
(LIMITED).

In 12,000 shares of £2 10s, each,
4000 shares to be issued; deposit £1 per share, and £1 10s, on allotment.

If no allotment is made the deposit will be returned in full.

JOSEPH JOHN PYNE, Esq., Manchester,
MAJOR JELF SHARP, Twickenham.

J. H. MURCHISON, Esq., F.R.G.S., Surbiton Hill, Surrey.
(With power to add two more.)

BANEERS—IMPERIAL BANK (LIMITED), Lothbury.

SOLICITORS—MOSSITS, KIMBER and ELLIS, Lombard-street.

SKORETARY—Mr. E. ASHMEAD.

OFFICE—S, AUSTINFRIARS LONDON.

The object of this company is to acquire and work the Wye Mine, on a continuation of the lode of the celebrated Van Mine, in Montgomeryshire.

Capt. William Williams, the manager of Van, confirms the statement that the lode is the same, and states that it "is exactly of the rame character and composition as the Van," and is from \$ to \$ fathoms wide; and he added in his last report that "if judiciously managed, with a very moderate outlay, it will, I have no doubt, soon make a lasting and profitable mine."

In 1868 the Van Mine was bought for £45,000, and since then £72,600 has been paid in dividends, and the present market value is about £750,000.

Full prospectuses, with reports and copy of the Memorandum of Association, &c., can be obtained at the offices, 8 Austinfriars, London.

NEW VAN MINING COMPANY (LIMITED).—
Notice is hereby given, that NO APPLICATIONS FOR SHARES will be
RECEIVED from parties resident in London after SATURDAY, the 30th inst.,
and from parties resident in London after SATURDAY, the 1st April.
8, Austinfriars, London, March 15, 1872.

M. B. W. H. C. U. E. L.,
STOCK AND SHAREDEALER,
No. 42, CORNHILL, LONDON, E.C.
Closing Prices of British and Foreign Mining Shares.
Friday Evening, March 15, 1872.

F	riday Evenin	g, March 15, 1872.
	yer. Seller.	Buyer. Seller.
Bog	21/8 21/8	Van£45£50
Carn Brea 14	10 150	Van Consols 6 616
Cook's Kitchen 4	6 48	West Basset 10 12
Drake Walls	% %	West Caradon 68 78.
	26 28	West Chiverton 15 16
East Caradon	41/2 8	West Esgair Lie 334 414
East Grenville	2 21/6	West Frances 33 35
East Lovell 1	7 19	West Tankerville 4 414
East Van	9 10	Wheal Buller 30 32
	4 15	Wheal Grenville 816 916
Great North Laxey	114 11/4	Wh. Kitty St. Agnes. 134 1456
Great Vor	914 934	
Hingston Down	314 31/4	
Marke Valley	454 434	Almada and Tirito % %
New Lovell	214 21/4	Bird's Eye Creek 4 414
Parys Mountain	3 31/2	Camp Floyd 34 dis par
Pennerley	4 41/4	Eberhardt and Aurora 13 14
Perkins Beach 1	248 264.	Eclipse %
	6s 18s.	Mineral Hill Deb 40 50
	5 27	Pacific 2% 2%
Roman Gravels 1	71/4 181/4	Richmond Consolidated 514 614
South Carn Brea	634 71/4	South Aurora 214 234
South Condurrow	6 61/2	Sweetland Creck 31/2 4
	8 19	Taquaril 38 44.
Tincroft 6	5 70	Utah 5
HOBBS KILL SHARES	are especiall	y recommended at 35s. per share. These

HOBBS HILL SHARES are especially recommended at 35s. per share. These shares will pay a dividend of 16 per cent. at 21. per share. The above mine is one that has not attracted much attention up to the present time; but from the best authority Mr. CUELL has ascertained that it has never been properly estimated. The amount of tin now being raised will leave a profit sufficient to pay a dividend at the above rate. The metal markets warrant an improved price for tin, and success to many Cornish mines, including the Hobbs Hill. Mr. W. H. CUELL is prepared to deal in all the above, and orders to BUY or SELL will be promptly executed, either for immediate settlement or account. Mr. W. H. CELL will be happy to forward, free on application, his "Daily Price-List."

On the 17th of every month, price One Penny, the N V E S T M E N T R E V I E W:

INVESTMENT REVIEW:

A Monthly Record of

COMMERCIAL AND FINANCIAL PROGRESS,

Edited by JOHN ROBERT PIKE.

Investors and speculators will find in this leview much information not otherwise obtainable. The selection of dividend and progressive mines cannot fall to be wonderfully remunerative at present prices.

Crown-chambers, Threadneedle-street, E.C.

NOTICE.

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NOVESTORS' GUIDE should be consulted by all Capitalists seeking SAFE and PROFITABLE INVESTMENTS.

INVESTORS' GUIDE contains the most reliable information relative to Mining, Banking, Railway, Insurance, Dock, Hotel, and other Companies.

March number (now ready) contains the particulars of the ALLT.-CRIB LEAD MINE, which will soon become, without exception, THE RICHEST MINE IN WALES. Shares, which can now be purchased at £2 17s. 6d. per share, will very soon be worth £20.

INVESTORS' GUIDE, published monthly, and forwarded POST FREE on application to—

JOSEPH FELL AND CO... 28. GREAT ST. HELENIS.

JOSEPH FELL AND CO., 28, GREAT ST. HELEN'S, LONDON, E.C.

MR. JAMES HUME, 74, OLD BROAD STREET, LONDON, E.C.

20 Allt-y-Crib, £2%. 10 East Lovell, £17\(\frac{1}{2}\). 20 So. Carn Brea, £7.

50 Birdseye Creek, £4\(\frac{1}{2}\). 10 East Lovell, £17\(\frac{1}{2}\). 20 So. Carn Brea, £7.

10 Evon, £115. 10 Gawton, £5\(\frac{1}{2}\). 20 So. Aurora, £2 Ss. 9d.

2 East Basset, £27. 100 Hobb's Hill, 35s. 20 Unity Wood, 25s.

5 Emma, £22\(\frac{1}{2}\). 20 Hingston, £3\(\frac{1}{2}\). 20 Van Consols, £5\(\frac{1}{2}\).

10 Eberhardt, £13\(\frac{1}{2}\). 20 Parys Mount., £3\(\frac{1}{2}\). 20 Van Consols, £5\(\frac{1}{2}\).

110BS HILL strongly enquired for. Reports warrant the shares being bought. Eberhardt and South Aurora again advancing. Van Consols in good demand.

M R. R. T. W. GREENFIELD, CHURCH LANE, TAVISTOCK, PUBLIC ACCOUNTANT, AUDITOR, STOCK AND SHARE BROKER.

CURWEN BROTHERS, IRON ORE MERCHANTS AND BROKERS, 33, HINDPOOL ROAD, BARROW-IN-FURNESS,

M R R J S M E R R Y , SWANSEA.

MR. THOMAS SPARGO, MINING ENGINEER, STOCK AND SHAREDBALER, 224 AND 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.

LEAD ORES. Date. Mines. March 4—Cefn Brwyno ditto Walker, Parker, & Co. ditto Walker, Parker, & Co. A. Ryton. ditto ditto Walker, Parker, & Co.

BLENDE. Date. Mines. Tons. Price per ton. March 14-West Tankerville .. 30 £ 5 14 0 ...

BLACK TIN.

Date. Mines. Tons. c. q. lb. Price p. ton. Amount. Purchasers March 5-Perran Consols 1 0 2 4 ... 80 10 0 ... \$2 12 1 - Carvedras. - ditto ... 2 12 2 11 ... 80 10 0 ... \$2 13 1 - Carvedras. - ditto ... 0 6 2 7 ... 71 0 0 ... 23 5 11 - ditto 8-Perras. ... 10 2 1 22 ... 79 10 0 ... \$30 16 0-N. Blowing. - Virtuous Lady 1 5 3 18 ... 82 2 6 ... - Tamar. -

Hotiges to Connespondenis.

* Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal shoul be filed on receipt: it then forms an account ting useful work of reference

MINING IN CALIFORNIA.—The letter from San Francisco (Feb. 18) on English Capitalists and North American Gravel Claims cannot be published. The shareholders in the North American Mine must soon have an opportunity of forming an opinion of their own as to the value of their property—in the shape of dividends or otherwise. Whether it was purchased of the owners by Morgan and Davies for \$120,000, and sold in London by Mr. Henry Hughes for \$400,000, or not, can be of little interest to the shapeholders unless the particulars be placed before them in an authorised form, and for an especial purpose. If the company proves successful, the shareholders unless the particulars to Mr. Boyer's report being unfavourable, or that from Mr | McLauc, of Sweetland Greek, being favourable, as explained. Our correspondent concludes—"I would savise all English capitalists when they are about to purchase to send out a man accompanied by a director, who should never let him go out of sight or hearing."

Partnership Law—"T. W." (Chorley).—One of the best sketches of the law of private partnership is that contained in the shilling manual on the subject, published by Mr. Effingham Wilson, Royal Exchange, London. The Limited Partner Act of 1865, and the several limited ilability companies' Acts can be obtained of the Queen's Printer. The cost of all the Acts will be about 5s. They should be ordered through a local bookseller.

The Brazzilian Mining Companies.—I cordially seeh the sentiments of the

THE BRAZILIAN MINING COMPANIES.—I cordially echo the sentiments of the shareholder in the Brazilian mines who wrote in last weeks' Journal, and I trust some effort will be made at the approaching meetings to put matters on a different footing.—A. M.

Received,-"Miner" (Utah)-"B. W. B."-"A Victim"-"M." (Truro)-"A Roader"-"Investor"-"T. M." (Ruabon).

THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, MARCH 16, 1872.

CO-OPERATION IN COLLIERIES.

CO-OPERATION IN COLLIERIES.

The Mining Journal has availed itself of every suitable occasion for expressing its sympathy with all movements which contemplates the closer assimilation of the interests of capital and labour in the working of the collieries of the United Kingdom. From time to time we have drawn attention to the success of the efforts in this direction of Messrs. BRIGGS, and of other employers who have followed their example. That success has enabled the colliers who have the good fortune to be in the employment of Messrs. BRIGGS to add to their ordinary wage earnings, in some years no less than 7½ per cent. Messrs. BRIGGS have been confident of the success of their scheme from its very commencement. Nor, as may be imagined from what we have just said, has their confidence been misplaced. The report from Derbyshire and Yorkshire, which we published last week, makes known that the present prosperous state of the coal trade has induced Messrs. H. BRIGGS and Sons to take the necessary steps for considerably increasing their present large and profitable business. These steps embrace the augmenting of their capital by the creation of 5000 additional shares, of 152, each; the empowering of the directors to offer 1000 of the shares to the present shareholders at a premium of 32, 10s, per share, and to call up on capital account ten guineas per share on the 1000 when and as they may deem desirable. Of these 5000 new shares a number not exceeding 500 is to be reserved for issue to employees of the company. The remaining 3500 are to be kept in reserve until a meeting of the shareholders shall determine the periods and terms of their use. At

shareholders at a premium of 3l. 10s, per share, and to call up on capital account ten guineas per share on the 1000 when and as they may deem desirable. Of these 5000 new shares a number not exoceding 500 is to be reserved for issue to employees of the company. The remaining 3500 are to be kept in reserve until a meeting of the shareholders shall determine the periods and terms of their use. At the meeting at which this scheme was broached the report tells us that a considerable number of workmen were present; and every one of them was qualified to vote, for they were shareholders, although they were in the receipt of weekly wages. The very prosperity of the concern has led to the raising of additional capital.

Mr. CURER Buisgas, who was the chairman of the meeting, explained that they asked for more money to enable them to get an increased quantity of coal, and thus to make hay while the sun shone. We do not wonder that the resolutions which legalised the increase of the capital were accepted. The views upon the project entertained by capitalists are patent in the fact that although 70s, would be a fair premium upon the 15t. shares, yet that the original shares, the holders of which would be entitled to purchase the new scrip, had risen in the market since the new intention of the company had been made known. The day, for which many of the colliers of what it is now customary to call the advanced school, have been so long looking, seems to have arrived when we can record that such a meeting as that which we have just described has been held, and that working colliers in receipt of weekly wages have been present in considerable numbers, taking their place side by side with capitalists pure and simple, as ahareholders in one and the same undertaking, and in connection with which their weekly wages have been present in considerable numbers, taking their place side by side with capitalists pure and simple, as ahareholders in one and the same undertaking, and in connection with them work more and the same underta

claim to share in the prosperity of the undertaking, while there is no corresponding risk of having to bear a portion of the possible losses. The only approach to the formation of a partnership extending to losses is a provision in one of the rules to the effect that should the amount of bonus payable in any one year to the men exceed 10 per cent, on their wages, the employers shall have power to set aside a portion of it for the purposes of a reserve fund, to meet possible losses in future years. As it is stipulated that they shall add to the sum thus set as ide an equal amount out of their own pockets, and as it is also provided that, should this reserve fund become at any time is also provided that, should this reserve fund become at any time larger than is deemed necessary for purposes of financial safety, it is then to be divided equally between the company and their men, it is evident that there is no inducement to withdraw a larger amount from the bonus than can fairly be considered requisite to meet the possible necessities of the future. It is also apparent that the partnership of the men in regard to the share they are to bear in losses consists simply in a liability to forfeit their share of the clear profits when that share exceeds 10 per cent.

Fairly the proprietors expect that for the many advantages which they offer the men they shall in return get constant work, with only very few holiday Mondays; a superior class of men, and with them consequent care which will tend very materially to reduce the lia-

bility to explosions. To show that, in the language of of Mr. F. W. HARRIS, one of the chief proprietors of the company, the men are not being "humbugged," the directors have laid their scheme before Mr. MUNDELLA, the member for Sheffield, and Mr. T. HUGHES, the member for Frome. The former has consented to act as scrutineer of the accounts, and to certify that the distribution of profits is made according to the terms of the contract, and the latter has consented to act as arbitrator whenever his services in that capacity may be needed. Mr. MUNDELLA, in communicating with Mr. HARRIS, says—"I have examined with much care and interest the rules and conditions of the Blaen Rhot dia Colliery, and I congratulate you and your colleagues of the Cardiff-Merthyr Steam C.al Company on the adoption of a system which I believe will prove beneficial to employers and employed. These new conditions, whilst securing for the company the hearty co-operation and goodwill of the employers, and the consent of the ablest and steadlest men, will also secure for the workmen the full average wages of the district, the advantage of weekly payments, and, in addition, an equal share on profits on working, after allowing a fair rate for interest on capital and depreciation. Thus every man will be interested with the proprietors in the safe and economical working of the mine, that every shilling saved will be something towards bonus, and in case of disputes arising a ready and efficient means of arbitration is provided. The scheme is excellent; the conditions not only equitable but liberal. I am satisfied that your company will never have cause to regret this departure from the old system. For my own part I shall endeavour to discharge my duties with strict justice and impartiality; and I hope overy year will unceasingly demonstrate the advantage and success of capital and labour working in sympathy and cooperation."

May we not encourage the hope that this is the beginning of a state of things in South Wales which will become so general as to make disputes between colliery proprietors and colliers a thing of the past in the Principality, and that what has already been done in this direction both in England and Wales will soon be extensively imitated the kingdom over?

THE SCOTCH IRON TRADE-No. I.

It is the object of this and the following articles to trace briefly It is the object of this and the following articles to trace briefly and succinctly from its earliest beginnings up to the present time the great staple industry of Scotland. One does not require to be a very old man to remember the time when the greatest source of wealth that Scotland can now boast of was a comparatively obscure and insignificant trade, employing at the most only a few hundred hands. Now it is a gigantic and ever-growing industry, with ramifications stretching out in every direction. Its progress at the present time is quite unique. It is expanding and developing in a greater ratio than at any former period in its history. New works and extensions of old works are springing up in all directions, and the pig-iron market may be said to be the arbiter of commercial destinies of the nation. It was not until the year 1806 that the blackband ironstone measures of Scotland were discovered. Previous to that time it was believed by mineralogists that in the coal measures of the country there were two different kinds of ironstone that might be turned to good

lieved by mineralogists that in the coal measures of the country there were two different kinds of ironstone that might be turned to good account, but only one description, and that the least valuable, was used until the time we have mentioned. The merits of blackband ironstone were first brought to light by Mr. David Mushet, the manager of Calder Ironworks. He found the metals cropping out by the side of a small burn to the west of Coatdyke, and here he carried on a series of experiments until he had satisfied himself that the blackband was a far richer and more valuable mineral than any that had yet been extracted from the bowels of the earth for a similar purpose. This may be said to have been the starting point of the purpose. This may be said to have been the starting point of the Scotch iron trade. The Carron Works had, it is true, been carried on since the year 1760, but then they laboured under the obvious disalvantage of only having one quality of ironstone to work upon, and that was the inferior argillaceous or clayband. As might have been expected, the discovery of the value of the blackband ironstone gave an impetus to the iron trade in Scotland, raising it from the position of an unimportant and very subordinate industry to its present gignatic an unimportant and very subordinate industry to its present gigantic dimensions. But, as the Scotch are proverbially cautious, it took a long time to induce them to go in for a comparatively new trade. The results of this particular branch of manufacture were not then The results of this particular branch of manufacture were not then so certain as they have since become, and the capitalists of the country preferred to stick by their farms, or their looms, until they were offered better and more substantial inducements. Hence it was that in the year 1830 there were only seven blast-furnaces in all Scotland, and of this number one was out of blast. The only pigiron works then in existence were Calder, with four furnaces; Chapelhall, with two furnaces; and Gartsherrie, with one furnace. At the present date there are 126 furnaces in blast, and 28 out of blast, making a grand total of 154 furnaces in Scotland. The production of pigiron has increased in a corresponding ratio. In 1830 the total production of pigiron was 10,000 tons, and the total value was 50,000.; while last year the total production was 1,100,000 tons, representing an aggregate value of upwards of 3,000,000. The average price per ton in 1830 was 100s. From this figure it has fluctuated in the most extraordinary manner—at one time (in 1848) touching 40s. 6d., and at another (in 1831) reaching as high as 115s., until it now stands at 80s. per ton, the latter being the highest average since the year 1845.

the year 1845. It may be well if we explain in reference to blackband ironstone that it is found in seams or bands in well-defined positions in the coal that it is found in seams or bands in well-defined positions in the coal measures. Sometimes the seam is so thin as to be quite unworkable, at other times it is absent altogether. Now the coaly element is so predominant that its metallic value is next to nothing; then it is found with a very small per centage of coal, and in tolerably thick seams. Chemically considered, blackband is a carbonate of iron laminated with coal, and it leaves when calcined a metallic coke, containing from 50 to 70 per cent. of metallic iron. When it contains more than 20 per cent, of coal it is of little value unless mixed with clayband, which uses up the excess of coal. Although, as we have already indicated, it was only worked to a limited extent after its discovery, the Calder and Clyde ironworks alone making use of it for some years, it ultimately became the principal source of supply. its discovery, the Calder and Clyde ironworks alone making use of it for some years, it ultimately became the principal source of supply, Fields of blackband ironstone extend from Langlean in the west, to Arden in the east. The deposits are very irregular in breadth, and the depth extends from 30 to 130 fms. The deepest point is reached on the western boundary; but on the east, west, and south the ironstone is replaced by coal. As for the Scotch clayband, we may explain that it is found in seams and bands, or nodules throughout the whole of the measures, but it is most plentiful in the lower part of the section. Clayband contains from 30 to 50 per cent. of metallic iron. Before being melted it has to be mixed with coal, and calcined in kilns or large heaps, to drive off the carbonic acid gas, sulphur. the section. Claybaud coatains from 30 to 50 per cent, of metallic iron. Before being melted it has to be mixed with coal, and calcined in kilns or large heaps, to drive off the carbonic acid gas, sulphur, and other impurities. Another seam of ironstone, called the "slatyband" is of more recent discovery. Its position is said to be 100 fms. under the blackband, and from the results obtained in putting down bores, a belief obtains that it exists all under the blackband. Hitherto, however, the supplies of mineral have been so ample that it has not been found necessary to sink to this depth.

We have said that the supplies of blackband have hitherto been ample. There is a great deal of truth in this statement, and yet it has a tendency to mislead. The fact is that the supply hitherto has been sufficient for all the requirements of the local manufacturers of pig-iron, and it may be said to be so still. But there is a famine looming in the distance. Some of the richest and most pro-

turers of pig-iron, and it may be said to be so still. But there is a famine looming in the distance. Some of the richest and most prolific fields have been quite exhausted, and hence the Glasgow Iron Company, the Shotts Iron Company, the Gartsherrie Iron Company, and other firms have had to make arrangements for procuring a supply from other sources, either by opening up entirely new fields or by importing ores from Spain. A line of steamers is just about to be commenced on the Clyde for carrying on the latter trade, and one of our leading shipbuilders, Messrs. A. and J. Inglis, of Pointhouse, has several large steamers on hand for the new company. The iron-fields now being worked lie chiefly in the direction of Denny and iron-fields now being worked lie chiefly in the direction of Denny and Kilsyth on the north; Bathgate, Shotts, and the country lying farther east, in the same direction; and on the west there is Possil, Skaterigg, &c. It is calculated, however, that in the course of the next 20 or 30 years, supposing that the consumption continues to increase in anything like the ratio of the last 10 years, the mineral known as blackband will be so scarce as to be almost beyond working at a profit. A mining engineer of some experience has calculated that the position

pig-iron for the market. The blackband seam, which was theeled

pig-iron for the market. The blackband seam, which was the chigt source of supply for many years, extended over an area of some 400 acres, lying in what is usually termed the Clyde Basin.

The discovery of the "Mushet blackband," to which we have all ready referred, had far less to do (so far as immediate results an enable us to judge) with the ultimate developement of the source iron trade than the introduction of hot-blast by Mr. J. B. Neilson. The revolution effected by this process was radical and couplete. It enabled the furnaces to produce more than double their former production per shift. The relative proportions of coal, ironstone, limestone, and dross required in the manufacture of Scotch pigina, taking the year 1830 as an example, has been estimated as follows:

—Coal, 100,000 tons; ironstone, 18,000 tons; limestone, 5000 tons, which, with 10,000 tons of dross for blast-engines, gives a total of 133,000 tons required in the produce of 10,000 tons of pig-iron on the cold-blast principle. Comparing this with 1861, when the hot-blast system was universal, we find an enormous economy, the proportions for the latter year being as follows:—Coal, 962,500 tons; ironstone, 673,750 tons; limestone, 154,000 tons; dross for heating and blast engines, 288,750 tons: making a total of 2,079,000 tons, used in the produce of 385,000 tons of pig-iron. The weight of atmospheric air consumed in blast for the furnaces is estimated at 172,720 cubic fee for each ton of pig-iron.

In our next article we shall describe at length the Gartaherrie iron.

for each ton of pig-iron.

In our next article we shall describe at length the Gartsherrie iron, works, which are the largest of their kind in Scotland.

BRITISH RAILWAY IRON IN SOUTH AMERICA.

The demand for British railway iron in the leading South American States—Brazil, Peru, and Chili—appears to be tolerably good at the present juncture, the exports in that direction in the first two months of this year having been as follows:

Month.

Brazil.

Peru.

Chili.

Total.

January

Tons 2117

6777

6777

8,894

February

1239

1192

158

2,889

February 1239 1192 2,889

Total 3356 7969 158 11,453

These figures compare as follows with the exports of British rallway iron in the same direction in the first two months of 1871 and 1870.

Brazil Peru. Chill. Total.

1870 1660 2890 4089 8,039
1871 2068 408 250 3,164
1872 3356 7969 158 11,433

While we have thus been sending rather less of our railway iron to Chili of late, we have been doing more with Brazil and Peru. In all parts of the three countries named there are signs of intelligent energy and material progress. Thus the Visconde DE BARBACKA, has obtained an extension of time for one year, dating from April 20, 1872, for the organisation of a company for the working of the coaffields of Passa Dous, in the province of Santa Catharina, in Brazil In the Brazilian province of San Paulo a line of railway, constructed with native capital from Jundiahy to Itu, is nearly completed. The gauge is about 40 in., and the cost will be from 17,000l. to 18,000l. per league, including all expenses. The President of Rio de Janeiro has contracted for making and working a narrow gauge line from Vassouras to the Mendes station of the Dom Pedro Segundo Railway. The General Government of Brazil has been taking measures for the realisation of a project for the construction of a railway from an experiment to the district province of Matto Graze. The larget of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of the construction of a railway from an experiment of th Nasounts to the Mendes station of the Dom Pedro Segundo Railway. The General Government of Brazil has been taking measures for the realisation of a project for the construction of a railway from an eastern port to the distant province of Matto Grosso. The length of the proposed line will be 650 miles, and it will run through a vast and productive territory. The line will possess considerable importance, as it will provile a ready means of communication with Matto Grosso, independently of fluvial access by way of the River Plate, The Baron de Maua is said to be one of the parties interested in the project, and this is a fact calculated to accelerate its realisation. In the Argentine Republic the new works of the Boca, Barracas, and Ensenada Railway are making rapid progress, and it is expected that the line will be open to Quilmes in about two months. The Government Inspector has also examined and passed a branch of the Great Southern Railway of Buenos Ayres from Ranchos to the Salado, A meeting of representatives of the various railways terminating at Buenos Ayres has been held for the discussion of plans for a great central station at that city. In Peru, a country to which heavy deliveries of British railway iron have been made of late, rapid progressis being made with the railways which Mr. MEIGGS, an energetic Americancontractor, has on hand. On the line from Arequipa to Puno 106 miles have, as Mr. MEIGGS terms it, been already "ironed," or are ready for track-laying, although some heavy cuttings and embankments occur, A great viaduct at Arequipa, 1580 ft, in length, will also be shortly ready for the passage of trains, and the whole line to Puno is expected to be completed within 20 months from the current date. Upon the line from Callao to the Oroya Pass about 68 miles of embankments and cuttings are now completed. A locomotive runs daily from San Bartolome, and work between this latter point and Matucama is being actively pushed forward. Upon this latter section, however, then are five tunnels, a viaduct over the river at that point, track-laying will proceed with redoubled rapidity, so that communication by railway will be established with Guadalupe in July. On another line, from Ilo to Moquegus, about 44 miles of cuttings and embankments have been completed, and a rge extent of permanent way has been laid; this line is expected be equipped and opened for traffic in July or August. Locomotives, materials, and rolling stock are arriving as fast as

the various Peruvian lines are progressing, and whatever may be the ultimate results of these lines it is clear that they must absorb for some time considerable quantities of the products of the British iron and mechanical trades.

THE OLD PARK WORKS, SHROPSHIRE.—These works have changed hands. Mr. BULLOCK and a number of Manchester gentlemen have bought them, it is understood. A new furnace is in course of creation. between them and the railway, in connection with a new work in which Mr. DAVIES has an interest.

IRON AND STEEL INSTITUTE.—The annual general meeting of this institution, at present presided over by Mr. Henry Bessemer, has been fixed for Tuesday, March 19, and two following days, and will be held at Willis's Rooms, St. James's. The programme is at present limited, as regards papers, to one communication on the Newport Puddling Furnace, by Mr. Jeremiah Head; and further communications from the committee who were appointed to report upon Mechanical Puddling, and from Danks's Rotary Puddling-Furnace Commissioners; but as it is stated that other communications are expected, it may be hoped that the detailed programme promised by the commancement of the meeting will be more extensive. As invited the commancement of the meeting will be more extensive. the commencement of the meeting will be more extensive. As invitations to attend this meeting have been issued to the leading continental and American ironmasters, some benefit may be anticipated from the opportunity afforded for an interchange of opinions upon matters, connected with the metallurgy of iron; but, perhaps, the most interesting feature in connection with the meeting will be the presentation, which it is arranged shall take place at the conclusion of the ordinary human feature in the contract of officers. of the ordinary business (adoption of accounts, election of officers, &c.) A portrait of the first President—the Duke of Devonshire—is to be presented to the institute by the subscribers to the Devonshire Commemoration Fund.

IMPOETANT IMPROVEMENTS IN STEAM-BOILERS,-At the Manchester Steam Users' Association annual meeting, on Tuesday, 8 W. FAIRBAIRN made a very interesting and important speech will reference to improvements in the construction of steam-boilers. Sir WILLIAM reviewed the advance that has been made in the resisting power of boilers, and the consequent economy of fuel, and said that he is now engaged in experiments with a view to determine that which WILLIAM reviewed the advance that has been made in water of the slay renders it perfectly workable, and calculating the extent to which this deposit prevails (so far as is yet known), at 11 square geographical miles, 12 in. thick, the quantity will not be less than 13,500,000 tons of ironstone, calcined and ready for the furnaces, which, yielding 64 per cent. of iron, would produce 7,000,000 tons of ironstone, calcined and ready for the furnaces, which, yielding 64 per cent. of iron, would produce 7,000,000 tons of ironstone in that a steam user was a safe, or safer, in working steam at 150 lbs. "All that they had to do, working steam at 150 lbs. or 200 lbs. to the square inch, was to we something sufficiently strong to contain it." It appears that Sir ve something sufficiently strong to contain it." It appears that Sir ILLIAM has a boiler at work of 88-horse power, which has been sted by hydraulic pressure at 400 lbs. to the square inch, and he sted by hydraulic pressure at 400 lbs. to the square if the pumps drawled it would have stood double that pressure if the pumps drawled steep and to the task." He was quite satisfied that disquages had been equal to the task." He was quite satisfied that etime would come when they would not only work that high steam etime would turn out their goods at a reduction of one-half, or aboly more, upon the present cost. obably more, upon the present cost.

COPPER ORE REDUCTION BY THE WET WAY,-Large copper COPPER ORE REDUCTION BY THE WET WAY.—Large copper orks, for the application of the humid process of extraction, which something novel for America, are at present in course of erection for expensive the company, at Phoenixville, Pennsylvania, under experimendence of Mr. Gybbon Spilsbury, of New York. The esuperintendence of Mr. Gybbon Spilsbury, of New York. The esuperintendence of the following the special will be for 500 tons of ore per month, but they will hardly be extended. It is intended to work all the low grade ore of hergion, and especially a large deposit of sand and clay, only found the region, and especially a large deposit of sand and clay, only found the region, and especially a large deposit of sand and clay, only found the region, of copper. The plans designed by Mr. Spilsbury or adapted to the ordinary humid process employed in Germany at England, but certain modifications have been made to render it applicable to the ores to be operrated upon. As soon as the works recompleted we are promised full details of the process.

THE EXPORT COAL TRADE,—The exports of coal and coke from THE EXPORT COAL TRADE.—The exports of coal and coke from to United Kingdom have presented a considerable further increase is year. The exports of February were 915,282 tons, against 718,417 as in February, 1871, and 653,309 tons in February, 1870. The ignents to France appear to have regained all their old importable, the movement in that direction having been 253,652 tons in behavity, against 154,913 tons in February, 1871, and 189,425 tons a February, 1870. The aggregate exports in the two months ending the 28, this year, were 1,757,610 tons, against 1,278,107 tons in the stresponding period of 1871, and 1,411,923 tons in the corresponding period of 1870. In these totals France figured for 507,282 tons, a 599 tons, and 380,704 tons respectively. The exports have in re period of 1870. In these totals France figured for 507,282 tons, 0,590 tons, and 380,704 tons respectively. The exports have increased this year to Russia, Sweden, Denmark, Germany, Holland, mace, Spain, Italy, and British Iudia; but they have decreased to sail. The value of the coal exported in February was 518,456L, sains 361,635L, in February, 1871, and 321,881L in February, 1870; and for the two months ending Feb. 29, this year, 988,084L, against 3306L in the corresponding period of 1871, and 691,388L in the correction period of 1870. nding period of 1870.

REPORT FROM CORNWALL.

March 14.-There is but little to report this week beyond the gra March 14.—Into the rise in the standard of 5l.—2l. more than had in anticipated. The mining districts throughout the county now half greater activity and prosperity than they have known for my years—Central Cornwall excepted—and even there there are say years—Could of the control of th sets will be re-worked. There is abundance of employment for all isses of workmen connected with mining, and the adventurers gene-sily are resping the fruits of their enterprise. In fact, with tin at a present price wherever there is tinstuff in any quantity mining ill pay. It must be a very low produce ore indeed that will not gove remunerative now; and there are immense quantities of ore of intege quality already won, and lying in the workings of "knocked" interesting to be returned at a moderate outlay. This fact has made old setts quite the fashion just at present, and they run the established concerns very close in public favour. Ancient miners who are tales to tell of the condition in which they left "bals" that are been idle for half-a-century, have been exceeding active of the. In several instances their reports have been the moving cause of the formation of promising companies. Mouths ago one old man as very anxious that a certain mine—which need not be further adicated—should be re-worked. Nobody paid much attention to him been, but by-and-bye, as tin advanced, his tale seemed to carry more reight with it. At length a company was formed, and it has turned at one of the greatest prizes on record. This substantially has been bey much the history of several of the new concerns.

By way of a set-off, we presume, to the extension of the railway grem in connection with the Perran district, the Board of Trade are issued their warrant for the abandonment of the St. Ives and Vet Cornwall Junction Railway. The line was authorised nearly

are issued their warrant for the abandonment of the St. Ives and Vest Cornwall Junction Railway. The line was authorised nearly menty years ago, but beyond the procuring of parliamentary powers toking has ever been done, and the Board have kindly given this nilway phantasm the conp de grace. Yet, a very little while ago it was said that some well-known local capitalists were going to make he vision of which the inhabitants of St. Ives have so long dreamed pleasing reality. Perhaps the Fell system will be introduced into formall. Bodmin, despairing of an ordinary branch line, has long ten inclined to make the effort, on the principle that the narrowest mage is better than none.

age is better than none.

w source of demand for china-clay has recently sprung up dreds of tons are now used monthly in the manufacture of It has been found that the admixture of china with the sys ordinarily used for that purpose makes the vessels more durable

nd lasting.

The five-weeks month is going through its last dying struggles. Its steation has been most eagerly fought for in the most out-of-the-way places, and it has required strikes in such localities as Okel Tor locarry the movement for its abolition forward. It is strange to see how uiterly in some cases good men of business have misapprehended be signs of the times, and misread the temper of the miners.

TRADE OF THE TYNE AND WEAR.

March 14.—The demand for most kinds of Coal and Coke continues very good for home consumption; the demand for house and team coal for export, however, is scarcely so good. The coalowners as now pestered sufficiently on all sides; the men of all grades in connection with collieries are constantly pressing for increased pay, while the stringent nature of the new Mines Bill is causing them considerable annoyance and trouble. Unless some of the clauses in this Bill are considerably modified it will interfere seriously with the working of coal mines, and many of our great colliery proprietors are much annoyed with the course matters have taken lately. It is to be hoped that the Bill will be considerably modified, and if so it will certainly conduce to the interest both of the workmen and conlowners in this district. The Bill, which seems to be intended to give a death blow to the Truck System, is also a sweeping mensure, and it appears to apply to all coal mines. In this district the Truck System is entirely unknown, and, therefore, it is not required here; but the Bill papears to provide that wages shall be paid weekly, and if this is compulsory it will be very strongly objected to both by the coalowners and the workmen generally. Of course, it is supposed that the collery owners are receiving very high prices for their produce, but this har from being the case generally, as a large number of them men and of the hery owners are receiving very high prices for their product, out this far from being the case generally, as a large number of them are sund by contracts which extend some of them up to the end of the resent year, indeed, some to end two years hence, while some coke entracts actually stand for several years to come; so that the coalwhere, as a body, are paying generally very large wages, but are ally receiving increased prices for a part of the coals produced. The semand for coke continues most excessive, and in some instances the list home. pals are now sent to the iron puddling furnaces, a better pice being obtained there than can be got in the old markets, where he best house coals lave been sold for ages.

An important meeting of the Durham coalowners and delegates re-

n important meeting of the Durham conlowners and delegates re-sating the miners was held on Saturday last at the coal trade office in New-la. There was a gro lattendance of colliery owners, viewers, and delegates, the proceedings were harmonious throughout, and the result of the meet-catirely satisfactory. It will be recollected that last week the colliery sent in the most conciliatory manner offered to discontinue the yearly bond, to substitute in its piace a forteligibly agreement, and also to make an ad-east all the Durham collieries of 20 per cent, on the prices paid in April, I. This offer the men accepted, although they stated that the advance was little, and that they really were entitled to a large amount, but all things ident dynat credit is due to both parties, as the sather awkward business beau conducted in the most conciliatory and careful manner, and a good estanding has now been established between the parties, which we hope

will be of a lasting nature. The chair was taken by Mr. Wm. Stobart, in the absence of Mr. Hugh Taylor. At the previous conference the masters stipulated for the advance to take place on April 5, but the men now appealed to them to commence the advance at once. After a consultation on this point the masters decided that the advance should take place at once, subject to the time when the pays commence at the several works, and the managers of the works are at liberty to put on the advance in any manner they thought preper. It was suggested by the deputation that in cases where a dispute arose as to the advance an arbitrator should be sent by the Masters' Association, and one by the Miners' Association, and that those gentiemen should agree to appoint an umpire to settle the question at issue, and this suggestion was also adopted by the masters. This arrangement, there is little doubt, will prove of great value, as it will, no doubt, prevent strikes in many cases where disputes arise on matters comparatively trivial.

REPORT FROM THE NORTH OF ENGLAND.

REPORT FROM THE NORTH OF ENGLAND.

March 14.—We are glad to state that the offer of 20 per cent. advance upon the wages paid to the colliery miners, to which we referred last week as having been rejected by the men at the conference with the owners, has since been accepted; so that it is now hoped the colliers will rest satisfied, and work proceed vigorously for some considerable time to come. Had any stoppage at the coal mines taken place at the present time it would have been most disastrous to the whole of the North of England iron trade, and of course any stoppage in the iron industry, which is the staple industry of the district, would have brought a corresponding iii effect upon the numerous other trades greatly depending upon it; and we believe that had the mon refused the offer of 20 per cent. advance the masters were prepared to stop operations at the collieries, and determinedly resist the excessive demands of the workmen. There is, of course, no lack in the requirements of coal and coke. The activity in the iron trade continues, and the demand for colliery produce is increasing.

The Old Butterknowle Colliery, near Cockfield, in the South Durham coal district, has recently changed hands, having been purchased by Mr. Simpson, of Towniely-on-Tyne.

The activity on 'Change at Middlesborough, on Tuesday, brought further improvement in prices. No. 3 pig-iron changed hands at 80s. for delivery during the next three months, and for later delivery contracts were made at very little under this figure. Pig-iron is scarce, the demand is considerably greater than the supply, and consequently prices are advancing, and rates are now so high as to preclude the possibility—considering the contracts in hand, the coming slipping season, and the prospective demand for finished iron—of their falling to anything like the low figures quoted a few months ago for a long time to come. Stocks are low, and the make of pig iron is lar from satisfactory just now, caused in some neasure by the searcity of proper materials. Messrs machinery.

The annual meeting of Bolckow, Vaughan, and Co. (Limited) will

are other companies who have expressed their intention of erecting the Danks machinery.

The annual meeting of Bolckow, Vaughan, and Co. (Limited) will be held in Manchester, on Thursday. In the report of the directors it is stated that "In the earlier months of last year, during which there was much variation in the iron trade, prices were low, but near the close of the year they advanced very considerably; on the whole, selling prices were below those of 1×70, but the orders on the books for execution during 1872 are at advanced prices." The report states that during the year the Hunwick and Newfield Colleries, in the Durbam district, which produce first-class coking coal, and the Lancashire Steelworks, at Gorton, near Manchester, have been purchased, and the acquisition of these plant is expected to be of much advantage to the company. The directors speakof the large outlays which they have made at the Cleveland and Witton Park Ironworks, and also at the Skelton mines; at the latter place an unexpected quantity of water has been met with, and additional pumping-engines have been put down, which have enabled the sinking to be proceeded with again, and it is hoped and believed that the machinery now at the mine will be sufficient to keep It dry, and to allow the slocking to proceed uninterruptedly. The board trusts that future balances sheets will show the profitable results of these outlays. At the Salt Pit, at Middlesborough, the sinking is proceeding, and the pit is now 163 yards deep. The report proceeds—"To obtain pig-tron suitable for Bessemer metal has become a great difficulty, and the price of it has gone up enormously, consequent mainly upon an increase in the price of English hemaltic ores, amounting to about 100 per cent. The supply of English ore is much below the demand, and it was found absolutely necessary, therefore, to look abroad for ore to take its place. Your directors have given to this important matter much consideration, and they have secured, english or is much below the demand, and it

REPORT FROM MONMOUTH AND SOUTH WALES.

March 14.—Another week of active working at the ironmaking establishments has been productive of large quantities of finished iron of various descriptions, but of steel and iron rails in particular, nearly the whole of which has been cleared to South American markets. The engagements in hand for those markets are being rapidly worked off, but it will be some time yet before makers' books will be entirely clear of the winter contracts and the propubility is that many of the of the winter contracts, and the probability is that many of them, when completed, will be replaced by others from the same quarter. There is a likelihood, therefore, that the iron export trade from this district will extend to the Northern and Southern ports of America throughout the year. The ironmasters continue to make every possible preparation to cope with the increasing demand for iron, and to comprete with the other great manufacturing centres in turning out. store preparation to cope with the increasing demand for iron, and to compete with the other great manufacturing centres in turning out the various kinds of make in request. Not only are extensions and additions made to the works wherever practicable, but all means by which operations can be quickened and rendered more productive are being adopted, so that it may be expected that before very long horse-power will be substituted by steam in many instances, hitherto regarded as unprofitable or impracticable. New collieries are also being opened in various parts of the district, and arrangements are at the present time being made for increased importations of iron. at the present time being made for increased importations of iron ore, so that while the make increases the supply of both coal and raw materials will likewise increase in something like proportion. raw materials will likewise increase in something like proportion. Although many buyers are limiting their purchases to just meet current requirements, owing to their unwillingness to give the high prices asked, yet there are plenty of orders in the markets, and makers could book many more contracts than they do if they were so disposed. But the opinion is still prevalent that there will be a little difficulty in establishing still higher quotations when the spring and summer demand has fairly set in. The orders to hand from the colonies are not yet numerous, but a few weeks more will, no doubt, witness the satisfied for number of investment are influenting both for Casada. arrival of a number of important specifications both from Canada and Australia. The advices from India are not just now very encouraging. There is a little more doing for European markets than ngo: and t was the case a few weeks ago; and the clearances of fron to Germany, Holland, and Turkey have latterly been tolerably large. The re-laying and extending of home railways which are now being carried on cause a considerable consumption of railway iron, and some important home orders are, therefore, given out. For plates, bars, &c., the enquiry continues active, and prices are well maintained. Since the recent advance in the price of block-tin tin-plates have evinced an upward tendency, and quotations in some instances exceed those agreed upon at the last quarterly meeting of the trade. Orders continue to come to hand regularly, and the same degree of activity is

the to come to hand regularly, and the same agreed with orders that to be witnessed at the works.

In connection with the Steam Coal Trade the week has been one of continued activity, every merchant being so pressed with orders that he scarcely knows where to turn for supplies, and the result is that in many instances "fancy" prices are paid to complete contracts, and prevent the detention of vessels at the ports. Since last reports as much as 17s. per ton, f.o.b., is reported as having been paid for some of the best: team qualities. It must not, however, be inferred from this that the average price reaches anything like that figure, but it is a proof of the extreme pressure of contracts that such a price chould be paid. How long these extraordinary quotations are to last remains to be seen, and opinions differ very much on this point, some thinking that the large consumption of the fereign markets must soon: how a failing off, while others contend that as there are no stocks reported from one single market it is quite impossible that prices can go down. One of ting is protty clear, and that is that it will be many years before coal can be obtained at the prices which prevailed some three years ago. For house

qualities the enquiry keeps up remarkably well for the time of the year, and prices are firmly maintained.

qualities the enquiry keeps up remarkably well for the time of the year, and prices are firmly maintained.

The differences between the colliery proprietors and their men are not yet all settled. Notwithstanding the several advances in wages and other advantages which have been conceded to them, the men in some parts of the district still appear to be disastified with their position. They are now agitating for what they term an improved system of supplying timber and other colliery require from the top of the pit, but they now domand that those materials should be brought to them in their working piters. To do this would require the employment of many fresh hands, and it is not probable that the colliery managers will accede to the request. At a recent meeting of the Navigation and Deep Duffryn colliers, held to consider this matter, it was, however, resolved to appoint delegates to wait on the manager (Mr. Brown), to inform him that unless this "just and reasonable" demand of theirs be granted forthwith a month's notice will be given. Mr. Brown has infinated his willingness to accede to the demand on condition that the men will agree to work the time which under the old custom was spent in the evening in fetching the timbers and rails. This, however, is a condition the men do not seem willing to concede Another matter which the colliers have lately taken to discuss is as to the age at which the employers shall have claim over the boys for 'dooring' purposes shall be up to 14; after that age the boys are to go to work with colliers, and the masters will not have any further claim upon their services, in going after timber and rails.

It is understood that the nine-hours system of working will very shortly be adopted by the Dowlais, Abernant, and Powell's Duffryn Ion and Coal Companies, and before long the system will no doubt become general throughout the district.

These men agreed with the resolution of the Navigation and Deep Duffryn colliers, and the masters will not have any further claim upon their servic

shortly be adopted by the Dowalts, Abernant, and Powell's Duftryn Iron and Coal Companies, and before long the system will no doubt become general throughout the district.

The sinking of a new colliery, to be called the New Dylais Colliery, has been commenced in the Neath district by Mr. David Bevan.

The Monmouthshire Railway and Canal Company directors have prepared a very satisfactory report to present to the shareholders for the baltyear ending Dec. 31. While the Taff Vale and other local companies had to refer in their reports to loss arising from the strike of the colliers, this company reports an increase in their traffic. The gross revenue for the half-year amounted to 22,3361, as compared with 84,2121 in the previous half-year, and 81,0521, in the corresponding half-year. A dividend at the rate of 7 per cent. per annum is recommended, as compared with 3½ per cent. In the previous and 6 per cent. In the corresponding half-year. A dividend at the rate of 7 per cent. per annum is recommended, as compared with 3½ per cent. In the previous and 6 per cent. In the corresponding half-year. A dividend at the rate of 7 per cent. per annum is recommended, as compared with 3½ per cent. In the previous and 6 per cent. In the corresponding half-year.

The latest arrivals at Swansea include—the Onward, from Bilboa, with 36 tons of iron ore, for H. Bath and Son; Fanny, from Bilboa, with 30 tons of iron ore, for Polingdestre and Mesnier; Constance, from Bilboa, with 35 tons of iron ore, for Polingdestre and Mesnier; Constance, from Bilboa, with 35 tons of iron ore, for Governor and 60.; Admiral Blake, from Bilboa, with 35 tons of iron ore, for Governor and 60.; Glenndal, from Duendes, with 275 tons of copper ore, and 506 tons of copper regulus, for Elford, Williams, and Co.; Village Belle, from Bilboa, with 36 tons of iron ore, for Governor and 60.; Glenndal, from Duendes, with 275 tons of copper ore, and 506 tons of copper regulus, for Elford, Williams, and Co.; Village Belle, from Bilboa, with 36 tons of iron ore, f

IRON PAPER.—We have received from Mr. Owen Francis, foreman of the mills at the Landore Tin-Plate Works, a sheet of the finest iron paper ever rolled. It measures 8\frac{3}{4} in. by 6 in., and weighs only 12 grains. It is an excellent specimen of the art of rolling, and reflects great credit on the ability of Mr. Francis, as well as the manufacturing capabilities of the Landore Works.

REPORT FROM SCOTLAND.

March 13.—The warrant market opened very firmly last Wednesday at 80s. cash, and by Friday had advanced to 82s. 6d. On Monday there was a very decided disposition to buy, and a large business was done from about 84s. to 85s. 6d., the market closing at 84s. 6d. Yesterday the market opened at 84s. 3d, and advanced steadily until 85s. 7d. was notify the closures between the resident steadily until 85s. 74d. was paid; the close was, however, rather easier, sellers asking 85s. cash, buyers offering 81s. 9d. To-day the market opened very strong at 85s. 73d. prompt cash up to 86s. cash next week, closing rather buyers at 85s. 103d. prompt. Great stir in the market, caused by the advancing price of makers' iron—Eglinton having been advanced 5s. at a stroke, Monkland 3s., and other makers are following. Makers' iron is in great request. No. 1, g.m.b., 88s.;

tin-plates and galvanising purposes. The iron and brassfounders have also good orders on hand, and the copperworkers could engage extra hands if they could be found. With heavy ship contracts going forward, the bolt and rivet works are employing all their

going forward, the bolt and rivet works are employing all their available machinery. The various classes of workers employed at the Eagle Foundry are to have their hours reduced to 51 per week on April 1 next. The ironstone miners at Jordanhill are out on strike for an advance of 1s. per day, and the men in the district (Maryhill) are to provide them with the necessary funds.

Coals for manufacturing and shipping purposes continue in good demand; but house qualities, with the mild weather, are quieter, and prices all round are drooping. Dross, on the other hand, on account of the high price of coal, is in great demand, and has been advanced 6d, per ton. The shipments of coal for the week are reported at 33,845 tons, against 26,414 tons, fully a third of the whole quantity having been sent from the port of Froom.

At a meeting of the coal miners of the Glasgow district, on Monay, Mr. McDonald addressed the men principally on the Bills now before Parliament. He said that by the Mines Bill standard weights were to be placed at the pit-head, that managers would require to be certified, and that where an empibyer or agent should, in the mine, allow anything calculated to produce serious bodyly harm or injury to the men, he should be liable to imprisonment for three months. By the Truck Bill the men were to be pald their wages in the current coin of the realm, without any deductions. After a good deal of discussion, resolutions were adopted that every man restrict his labour to the value of the realm, and that each works send a deputation to their employer, request. sion, resolutions were adopted that every man restrict his labour to the value of 5s. per day, and that each works send a deputation to their employer, requesting that the men be allowed tog of down the pit at 6. A.M., and stop at 3 P.M., with one hour for meals; and to stop at 1 P.M. on Saturdays.

The Fifeshire miners, it is reported, are to receive a uniform rise ges of 6d. per day, as from the 20th inst

A short line of railway, of about 103 miles, has been projected by A short line of railway, of about 10½ miles, has been projected by the leading coal and ironmasters in this neighbourhood. The object of the undertaking is the construction of a line from the Coatbridge undertaking of the North British Railway, near its Easterhouse station at Uddingston and Bothwell, with a branch railway to Bellshill, and branches for the purpose of connecting these railways with the Calcionian main line near Holytown, the Citydesdale Junction Hailway, near Uddingston, the Ruthergien and Coatbridge Kallway, near Bailleston, and the Nackerry or Tanacchside branch of the Calcionian Bailway. This would be pre-eminently a mineral line, as the district which it traverses is estimated to contain about 10,000,000 tons of workable coal. The ironworks in and around Coatbridge consume 1,600,000 tons annually, and as the coal fields in this vicinity are approaching (xhaustion this line would not only be available for Contbridge, but would also be connected with Glasgow and the shipping ports on the Clyde and Forth. The capital required is 170,0001, in shares of 101, each, and the coal traffic alone is estimated to yield a revenue of \$0,000, ber annum.

At the Fairfield Association meeting, Mr. C. Houston read an instructive paper on "Parallel Motton," describing most fully the principle of lever combination in all its chief varieties, both as applied to land and maritapurposes. A lively discussion showed the interest taken in the subject, and closed the proceedings.

The shipbuilding trade of the Clyde seems to be in no way diminished by the launches which take place from week to week. A steamer of

80 tons and 70-horse power has been launched for the Spanish ore trade, and is wented by Malcolm and Co., of London and Glasgow. A paddle-steamer, 155 tons and 55 horse power, has been launched for Child, Mills, and Co., Mauchester, for the Arlean trade. An iron screw, of 1975 tons and 350-horse power nominal, has been launched for the Pacific Steam Navigation Company of Liverpool. The is named the Ho, and is to be employed on the West Coast of South America. ie is named the Ho, and is to be employed on the West Coast of South America.
At the Engineering and Shipbuilding Draughtmen's Association ecting a paper was read on "The Stability of Floating Bodies," which was used with a discussion on the subject.

REPORT FROM DERBYSHIRE AND YORKSHIRE

REPORT FROM DERBYSHIRE AND YORKSHIRE

March 14.—In some of our lead mining districts more activity is observable, although of late there has been no great increase in the output of ore. There is very little doubt, however, but there are localities where operations will before long be commenced, whilst there is every reason to believe that many of the mines abandoned some years ago were only very partially worked by the men, who, by the peculiar mining laws of Derbyshire, were enabled to carry on their labours in the most primitive style, and without any other capital than their hands. With something like 70 mines the total quantity of lead ore raised last year would scarcely reach 7000 tons. At Eyam and other places adjoining the prospects are said to be more encouraging than they have been, and with improved railway facilities, and the necessary machinery, we believe lead mining in Derbyshire will attain a much higher position than it now enjoys.

The Iron Trade continues very active at all the works between Sheffield and Derby, as well as at those on the Erewash Valley Railway as far as Nottingham. The makers of pig-iron are having a busy time, as all they can produce is not more than is required for immediate use, a good deal being sent to the northward. In manufactured fron the demand is equally brisk. Pipes of all sizes, and general castings, keep the foundries fully worked, whilst the plate and girder mills are running to their full extent. In those important industries there is now a very good understanding between the workmen and their employers. The Coal Trade has undergone very little change of late, although there is rather less doing in house-hold qualities. The business doing with the metropolis is of fully an average character for the season, more especially in steam coal. The minerals on the Erewash Valley line are now being largely developed. The Mildland Railway Company having given every facility for that purpose by means of branch lines, extersions have of I tabe ben made at Stanton and Shipl

The Sheffield trades continue their busy course, all branches being The Sheffield trades continue their busy course, an irranches being agive. Makers of heavy armour and other plates are well supplied with orders, whilst every description of railway material obtain as much as ever they can do. Bessener rails, tyres, axies, rods, and plates are in very brisk request, and both spring and table cutiery are in excellent demand for both the home and foreign markets. There is not so much doing in house coals as there was a week or two since, and a loss tonnage of "softs" is being sent to the metropolis. The business doing in steam coal has never been so brisk at this season of the year as it is now, and a large quantity is being sent to King's Cross, Poplar, and Blackwall. Shipments from Hull, Grimsby, and Goole for France, the North of Europe, and the home ports, have been and are of more than an average character for the period of the year.

Chal. Bushaking, Machinery — On Friday there was a Targe gea.

COAL BREAKING MACHINERY -- On Friday there was a large on COAL-BREAKING MACHINERY.—On Friday there was a large gathering of mining engineers, and others interested in the working of coal, at the Oaks Colliery, near Barnsley, for the purpose of witnessing the operation of Chubb's Hydraulic Presser. The machine was set to work, and brought the coal down in vast wedges of more than a ton in weight. As little or no slack is made there is thus a great saving effected in that respect alone, whilst there is the advantage that the "Breaker" can be safely used in the most fiery mines, and thus entirely supersede gunpowder. The trial was most satisfactory, and so satisfied was Mr. Dymond, the managing partner of the colliery of the value of the invention that he at once gave an order liery, of the value of the invention that he at once gave an order for four of the machines.

for four of the machines.

RECKLESSNESS OF A COLLIER.— George Atkinson, employed at Messrs. Rhodes and Dalby's, Victoria Colliery, Snydal, was charged with having infringed the certified rules of the colliery, by lighting tobacco by means of his safety-lamp. The defendant and another man were working very near to a part of the mine well known to be charged with gas. Notwithstanding this the defendant took out his pipe and lit the tobacco by drawing the flame through the gauze. It transpired in evidence that several men had absented themselves from work because of the defendant's recklesaness, believing their lives were endangered while he was in the pit. Mr. Gill (for the proprietors) pressed the case, urging that it was not so much the property of the complainants that they cared about as the importance of the protecting the lives of the workmen. The Bench committed defendant to prison for one month, and he is to serve 14 days in addition if he does not pay the costs.

PRESENTATION TO A MINING ENGINEER AND HIS STEWARD. On Monday nearly 300 of the workmen of the Oaks Colliery, together with a number of viewers and others, met at the Victoria Hotel, Barnsley, for the purpose of presenting Mr. G. Minto and Mr. Ward with a number of viewers and others, met at the Victoria Hotel, Barnsley, for the purpose of presenting Mr. G. Minto and Mr. Ward with testimonials. Amongst those present were—Mr. J. Beaumont, Mr. Wilson, Mr. J. O. Carr (agent of, the Oaks Colliery). Mr. Miller (Strafford Main), Mr. Leatham (Darheld), Mr. Haricastie, Mr. Barker (Sheffield), &c. After partaking of an excellent dinner, Mr. J. Beaumont was called to the chair and Mr. Carr to the vice-chair. The Chairman state of the coldest men belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he had always great pleasure in meeting the workmen belonging to it, and he mad always great pleasure in meeting the workmen belonging to it, and he mad always great pleasure in the colliery, Mr. T. Dymond. After some further remarks, the Chairman symposed "The Queen, the Prince of Wales, and the rest of the Royai Family," which was very warmly received. — The CHAIRMAN sald that the next toast did not require any prefatory remarks from him, as it was one that would meet with a warm response from all present. He begged to propose the bealth of Mr. T. Dymond (the managing partner) and Mrs. Maraball, the proprietors of the Oaks Colliery. Mrs. Marshall had been indisposed for some time, but he was glad to say that she was now much better. (Applause).

Mr. G. O. Carr (agent) said it afforded him very great pleasure indeed to respond to the toast. He had known the colliery for a considerable time, having been engaged at it a short time before Mr. Dymond joined the firm, since which the colliery would all agree with him in asying that Mr. Dymond had always its tend to any complaints made. Many of them would recollect the late Mr. T. Marshall, when the

no expense had been spared in providing the best means for making it so. The proprietors were putting down two now shafts at Ardsley, so that the Oaks would be one of the best ventilated in the district.

Mr. WILSON (viewer) said he felt great pleasure in meeting them that eventug, not because Mr. Minto had left, and he had succeeded him in the management of the Oaks, but because it was an occasion that must be graifying to all persons connected with the colliery. The management of such a colliery was no sinceure, seeing that the lives of hundreds of men and boys were in his keeping. Whatever could be done to count said to the mine and the lives of those working in it would be done. He hoped that if he should chance to be with them as long as Mr. Minto had been they would be equally as good friends. In working together, however, they should give a little and take a little. He hoped they would go on safely and prosperously together, and that nothing would disturb the existing good recling which prevailed. (Cheers.)

Mr. JONES proposed the health of the officials and workmen of the Oaks Colliery. He believed that they would have little to complain of, and that all would go on as smoothly as could be desired. There had been a little grumbling on both sides, but workmen and officials had worked pleasantly together for some months. They all very much regretted that Mr. Minto had left them, and the men considered it their duty to show their appreciation of his services, as well as those of Mr. Ward. The presents before them were valuable, but were not too valuable for those they were intended. He hoped that the present good feeling which existed between the men and the officials of the colliery would continue, and be advantageous to both. (Cheers.)

Mr. CARE, as agent, replied on behalf of the officials, and said at the Oaks, he was proud to say, they had a body of workmen that could not be accolled, if equalled, in the district. For some years past the proprietor and

others connected with the Oaks had had serious obstacles to contend with, and

others connected with the Oaks had had serious obstacles to contend with, and he hoped no other coiliery in the district would ever have to undergo the same ordeal as they had done since the calamity of 1836. For his own part, he could assure the workmen he would ever be happy in alding them in every way, listed to any grievance they had, and if fair redress it. (Cheers.)

The CHARBMAN said the next toast was that of a gentleman with whom he had long been connected, and worked with most harmoniously. The gentleman he alluded to had had a long and most anxious time, for on him devolved the duty of opening ont the Oaks Colliery after the estastrophe of 1866. The opening out had been a great success, and had been carried out without a single mishap. He could say there had always been a good feeling between the men and fir. Minto since he came back the second time; but it was just likely that a man might be too long in one place, and that it might be for his benefit to have a change. He bad, therefore, very great pleasure in proposing the health of Mr. G. Minto, the late underviewer, and he would add that of his family also. He was glad to see that the men had shown their appreciation of his services by the handsome service of plate about to be presented too him. (Cheers.) He would call upon Mr. Carr to make the presentation to Mr. Minto.

Mr. CARR said it was the first time he had been called upon to fulfile opleasing a duty; and it was doubly so when it was considered that the presentation he was about to make was to a friend and co-worker at the Oaks Colliery. He knew what Mr. Minto had undergone since the catastrophe of 1866, and he felt assured that he was in the highest degree worthy of the testimonial before them, which was one alike creditable to the men, and such as would be acceptable by Mr. Minto-for it would grace the table of any gentleman. Mr. Minto left the Oaks Colliery spotless, and without a stain upon his name; and he would long be kindly remembered by all connected with it. At a most critical ti

Colliery for pood management."

Mr. MINTO said since he heard he was to receive a testimonial from the Oaks men the time which he so much dreaded had arrived, and he assured them that he could not find words to thank them for their kindness, especially as that was the second time he had received a testimonial from them. It was 16 years since he first came to the Oaks Colliery, and his appointment led to a ten weeks strike on the part of the men against him. The Union was just then formed, and had struggles again. After that they had a still greater calamity in the explosion of 1868. Since that time he had done his best in opening out the pit. He left it free from gas, and well ventilated, and he believed the colliery would be one of the first in the district in every respect. They were now enlarging the old shaft, making new ones, and everything appeared to be going on most prosperously. He had had many little differences with the men, but he must say that since the opening out of the colliery they had worked with him most cordaily and heartily. He hoped they would go on in the same way, and that they would all be as prosperous as he wished them. He thanked them most heartily for their kindness to himself and family. (Loud cheers.)

The CHAIRMAN, in amusing terms, commented on the idea of a collier wearing a gold watch, and said it was, however, a great fact. It was his pleasing duty to present on the part of the Oaks workmen a gold watch to Mr. George Ward, an old and tried friend, and who had long been their deputy. It was not often that a manager's services were so appreciated by it is showed how the services of Mr. Ward were appreciated by the men under him. He hoped that Mr. Ward would long live to wear it. He had also to present a set of china to Mrs. Ward. (Loud cheers.)

Mr. WARD said he was like Mr. Minto, for he could not find words in which to express his thanks for the kindness of the men of the Oaks Colliery, and he could not feelers and Working together at the Oaks Colliery as they had been doing. of for good management."
MINTO said since he heard he was to receive a testimonial from

REPORT FROM LANCASHIRE AND CHESHIRE.

March 14.-The opposition to the Mines Regulation Bill has been extended to a class of men who are not generally supposed to be much in favour of combination, but who, on this subject, are united as one man. I refer to the underlookers at collieries, who in the as one man. I refer to the underlookers at collieries, who in the general muddle that seems to prevail as to the interpretation of the term "manager," are beginning to fear that they are the persons referred to, and they have held two very large meetings in Wigan during the past week. All the principal collieries in South Lanca-shire have been represented, and the most marked unanimity pre-vailed at each meeting. At the first it was pointed out that the ma-nagers were not numerously represented, and it was decided to adjourn and to issue circulars calling attention to the urgent necessity there was for organising a strenuous opposition to the Bill. There was a much larger attendance at the second meeting, held last night, and a much larger attendance at the second meeting, held last night, and a letter was read from Mr. Charles Gilroy, chairman of the Lancashire and Cheshire Coal Association, in which he said:—"I am sorry I cannot attend the meetings of managers and underlookers to-night, having to go to London respecting the Mines Regulation Bill. Mr. Maskell Peace is acting for the coal trade in the matter, and will draw up a petition, to be signed by both managers and underlookers if required." It was stated by Mr. Thompson (manager of the Norley Coal Company) that there seemed to be a general dispute as to who were intended to be certificated managers, and the dispute prevailed not only amongst the managers of collieries, but amongst the miners' delegates in London, and the Government Inspectors, while the Home delegates in London, and the Government Inspectors, while the Home Secretary and his subordinates were careful not to commit themselves to any statement as to what the term meant. From the fact that the underground manager was not named in the interpretation clauses, and that "agent" was explained to be a person above the manager, he assumed that the present managers were hereafter to be called agents, and the underlookers were to be styled managers. In the course of the discussion which took place the Bill was generally condemned, and it was said that if the matter were fairly put before the colliers at least 50 per cent. of them would oppose the clause relating to the employment of children. A committee was appointed to watch

to the employment of children. A committee was appointed to watch the Bill, and report to a future meeting.

Concerning what is known as the Weighing Clause in the New Mines Bill, Mr. J. Lancaster, M.P.—to whom Mr. Bruce, when introducing the measure, gave the credit of having suggested the clause—made a statement at Wigan on Tuesday night. He noticed, he said, that it had been stated publicly that the agitation on this question was merely got up by the agents of the men, and that the men themselves cared very little about it. He denied that this was the case, and added that the locking the constant of the men, and that the men themselves cared very little about it. hat, after looking at the question from a master's, a workman's, and a member of parliament's view, he was satisfied that weighing was the proper standard, and no other. It was high time, he thought, that one standard should be adopted throughout the country, and he should continue to fight until it was decided by law that coal was to be gotten by weight, and not by measure.

or gotten by weight, and not by measure.

Trade continues exceedingly active throughout the district. There are still many complaints concerning the scarcity of fuel.

Strenuous efforts are being put forth to keep the Leeds and Liverpool Canal out of the hands of the railway companies, the lease under which it has been for some time held by the Lancashire and Yorkshire Railway Company being on the point of expiring. Petitions have been got up in nearly all the important towns through which the canal passes.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

March 14,-The price of coal in South Staffordshire is again firmer this week, a further concession in the hours of labour having been made to the colliers throughout the district. Some of the leading coalmasters are asking an advance of 1s, per ton on coal and 6d, per ton on slack, and the supply is so limited that it is expected this advance will be generally maintained. General complaints of the scarcity of fuel are being made by the ironmasters and other large consumers, and the greatest difficulty is experienced in keeping the mills and forges in anything like regular operation. Ironstones of district produce continue very scarce and dear.

Business in the Iron Trade this week has been somewhat restricted.

Business in the Iron Trade this week has been somewhat restricted, Business in the Iron Trade this week has been somewhat restricted, but quotations are, if anything, a degree firmer, owing to the very high price of raw material. Best brands of all mine pigs are firm at 5l. 15s. to 6l.; second quality ditto, 5l.; and cinder-pigs have advanced to 4l. 2s. 6d. per ton. An additional furnace has just been lighted at the Coneygree Works, belonging to the Earl of Dudley, and two more in the Tipton district, which have been out of blast for seven years, will shortly be again in operation. The finished from makers are, however, largely dependent on other districts for their supplies of pigs. Bars range from 10l. 15s. to 12l.; hoops, 12l. to 13l.; sheets, 13l. to 14l.; and strips, 11l. to 13l. 10s. per ton. Large orders for these descriptions of finished iron on account of Canada, the United States, Russis, Germany, and Australia are in course of com-United States, Russia, Germany, and Australia are in course of com-pletion. The new orders coming to hand appear to be limited to the immediate requirements of consumers, prices having given a decisive

check to speculation; although it is predicted in some quarters Staffordshire bars will advance to 14t, per ton before any chaptakes place in the opposite direction. The local tube makers and taining their supplies of strip from Belgium, at 10s, to 25s, per below the prices current in South Staffordshire.

With reference to Mr. Caleb Bloomer's failure, it is officially a nounced that the creditors number 11s, and their aggregate claims upon use tate amount to 67,000. Among the principal creditors are—Messa, below worth and Stevenson, Manchester, 1900.; Bridge, Gill, and Bridge, Bloomer and Son, Pelsali, 1300.; Blromlegham Bankis of Wich, 1500; Bloomer and Son, Pelsali, 1300.; Blromlegham Bankis of Prop. 1870.; W. and G. Flrmstone, West Bromwich, 128 it.; G. H. Bischwick (partly secured), 38001.; Hipkins and Co., West Bromwich and Co. West Bromwich, 1880.; H. Fooley and Sons, Liverpool, 1800. Nut and Bolt Company, 25001.; J. and G. Ontons, Dudley Fort, 1980. Nut and Bolt Company, Chimbed), Birmingham, 22671; Staffordshire Flanks, West Bromwich, 1880.; H. Fooley and Sons, Liverpool, 1800. Nut and Bolt Company, Chimbed), Birmingham, 22671; Staffordshire Flanks, West Bromwich, 1880.; Union Iron and Coal Company, Wolverhampton-Sand Whitehouse and Co. (Limited), Wendesbury, 5800. The assets are long. The failure has been announced of Messrs. Wright-

estimated at 50,000%.

The failure has been announced of Messrs. Wright and Dark chartermasters, Dudley. The liabilities are only 800%, and the insolvent has agreed to pay their creditors in full at the expiration of twelve months. Mr. D. M. Arnold has been appointed manager, and Mr. E. Jacks secretary, of the Midland Wagon Company (Limited).

The demand for miscellaneous hardwares in the Black Comby is a degree quieter this week, but there is no decline in the extraordinary, tivity which has for some time prevailed in the engineering ironwork and the trades of the district.

ades of the district.

In North Staffordshire the Coal and Iron Trades are eaching.

In North Staffordshire the Coal and Iron Trades are each in buoyant condition, supplies of fuel being quite inadequate to the demand. The powerful pumping-engines recently erected on East Granville's mineral estate, near Hanley, are working satisfactorit, and greatly relieving the flooded collieries in that part of the district. Similar action is much needed around Burslem and Tunstal, where at least ten large collieries are under water. In the iron trade where at least ten large collieries are well filled, but there is no trade the manufacturers' order-books are well filled, but there is no trade the manufacturers' order-books are well filled, but there is not business being transacted.

new ousiness being transacted.

COLLIERY RECKLESSNESS,—An explosion of gas, by which see
men were severely burnt, occurred in the Ash Pit of the Berry Hill Colliers,
Hanley, on Tuesday. The men were getting coal in one of the workingse,
pit, and one of them, contrary to regulations, was using a naked candle
of roof caused a rule of gas into the working, where it came into instant
tack with the flame of the candle, and the explosion followed. Two of these
were seriously induced but the candle of the ca were seriously injured, but the others are expected to recover. A horse was burnt, and a number of men working a short distance off had a narrow seen

THE IRON AND STEEL INSTITUTE.

THE ANNUAL GENERAL MEETING will be HELD in Willia's Booms, King-street, St. James's, London, commencing on TUESDAY, March 19th, 1872. PRESIDENT: HENRY BESSEMER, Esq.

PROGRAMME.

TUESDAY, MARCH 19TH.—9'0 P.M.: Annual General Meeting. The report the council for the year 1871 will be submitted and discussed. A statement accounts will be presented. The election of President, Vice-Presidents, Mesbers of Council, Officers, and New Members will take place. The place for the Summer Meeting will be fixed.

At the conclusion of the business of the General Meeting, the subscribers to the Devensbire Commemoration Portrait will present to the Institute a Portrait of the first President, the Duke of Devonshire.

WEDNESDAY, MARCH 20TH .- 11.0 A.M.: Meeting for the reading and discount. sion of papers.

7.0 P.M.: Annual Dinner in Willis's Rooms. Tickets 21s. each, including wis, Members are requested to make application for these as early as convenient, but not later than 16th March.

THURSDAY, MARCH 2: ST.-11:0 A.M.: Meeting for the Reading and Discussion

LIST OF REPORTS AND PAPERS TO BE READ AND DISCUSSED AT THE MORNING MEETINGS :-

On the Newport Puddling Furnace: paper by Mr. JEREM. AH HEAD, Nich

On the Newport rudding Parlace: paper by an account Heap, melesbrough.
Further Communication from the Committee appointed to Report upon Mehanical Pudding.
Danka's Rotary Pudding Furnace: The Official Report of the Commissions sent out to America will be open for discussion; and Supplementary Report will be presented by Messrs. Juo. A. Jones, Geo. J. Suelus, and John Leig, The specimens of iron brought back by the Commissioners will be exhibited.

Invitations have been issued to the leading Continental and American leading

Invitations have been issued to the leading Continental and American low masters to attend this meeting.

It is expected that several communications will be made in addition to thus indicated above. A detailed programme will be prepared by the commence of the meeting.

A reception and writing room will be available for the use of members on Maday, March 18th, and three following days, at Willis's Rooms.

Visitoras Tickers.—Each member can obtain a visitor's ticket on applied to to the General Secretary.

Communications relating to the Foreign Department are requested to be addressed to Mr. David Forbes, Foreign Secretary, 11, York-place, Portman-quan, London, W.; those relating to the general business of the Institute to the watersigned.

London, W.; those relating to an general business of the approaching meeting derisinged.

Members wishing to make any communication at the approaching meeting or to exhibit any object of interest to the Iron or Steel Trades, are requested communicate with the General Secretary.

It is expected that on Tuesday evening, March 19, a paper, by Mr. I. Lowthis Bell, "On the conditions which favour, and those which limit, the concey feel in the blast-furnace for smelting iron," will be read and discussed at the meeting of the Institute of Civil Engineers, Great George-street, Westmisse. The Council have kindly promised to issue invitations to members of the lan and Steel Institute to attend on this occasion.

Middlesborough, Feb. 23, 1872.

JNO. JONES, General Secretary.

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Mesrs, DAY and Co. offer the remaining shares in this mine to the public, is the following guarantee of its worth—viz.,

That the reports of independent inspectors acting in the interest of a committee of proposed shareholders, having no connection with vendors or projects as is unfortunately too often the case, have induced the committee to be the part of the capital, and the directors appointed by them to associate of names with the undertaking.

scribe part of the capital, and the directors appointed by them to associate ir names with the undertaking. [ears. Day and Co. believe that seldom has a mine been offered so cheaply which the chances of immense profits have been so great, whilst immediate the returns are apparently a matter of certainty. an intending investor may have an order to inspect the property. all particulars, with reports of Messrs. JEHU HITCHINS, ABSALOM FRANCIS, OMAS L. COTTINGHAM, and E. W. C. F. SCHMIDT may be obtained at either the above offices, and will be forwarded on application.

BELSTONE MINING COMPANY

Incorporated under the Companies Acts, 1862 and 1867. Increase of capital from £20,000 to £25,000, by the issue of 5000 ordinary shares of £1 each.

was formed in July, 1869, for the purpose of purchasing and valuable mining property known as the Belstone Copper Mine,

This company was formed in July, 1869, for the purpose of purchasing and moving the very valuable infining property known as the Belatone Copper Mine, as Okehampton, Devon. The company acquired the property for £10,000 in fully-paid shares, incurring labilities upon the mine amounting to rather more than £4000, nearly all of thick was taken in paid-up shares. Therefore, after payment also of preliming expenses, there was barely £5000 available working capital, and out of this bloom the point in the erection of new and powerful hauling makery, &c., hence the need of the further capital.

Capian James Richards, of the Devon Great Consols Mines, says of this property:—'I am as certain in my own mind as anyone can be without positive roof that the prosecution of this mine will be attended with great and profit-like results."

ilictime." Idin JOHN EDWARDS, of the Fursdon Mines, remarks:—" It will, in my s, if properly developed make one of the richest copper mines in Devon or

Conwail."

Coper ore of the very highest quality is now being raised and sold, and the directors are advised that at a depth of another 20 or 30 fms. the ore will be more concentrated and be found in sufficient quantities to return a very large mail, and the deeper the mine is sunk the greater and more lasting will be the

skoveries made.

Forms of application for the unallotted portion of the new shares, and full rypors, may be obtained of the secretary, at the offices of the company, No. 2, Boyal Exchange buildings, London, E.C.

CWM ELAN LEAD MINING COMPANY

(LIMITED).

MANAGER AT THE MINES.

JOHN PAULL, Esq., Llanddocs, Mongomeryshire.

W.H. CUELL, 42, CORNHILL, LONDON, 14 AUTHORISED to RECEIVE APPLICATIONS for a FEW SHARES at 25s. per share.

APPLICATIONS for a FEW SHARES at 25s, per share.

This mine, with its exceptional advantages, will prove the most highly remumative of any that have been brought before the public for some time past. States at 15s in close proximity to the celebrased Van Mine, which has already married enormous profits to the shareholders—proved, as it has been, by ore periously raised, to be remarkably rich in many lodes which have been already spend up—with all the machinery that modern science can suggest, nothing an possibly be wanting to insure complete and rapid success, but careful and indicious management. This is safely guaranteed by the names of those in whose mutted the matter has been left.

The sett is remarkably large, and, as far as past experience has proved, seems meerry part to be equally productive of mineral, with the additional advantage through its situation, of being of such a nature that it can be worked both rapidly paid is at the exceptionally low figure of 1-15th, combine in rendering the Gwm Elan Mine one of the most permanently secure investments ever offered to the public, the shares of which are certain to go to a high price.

The Cwm Elan is situated on that range of lead-bearing hills in Radnorshire which is made to be a state of the public of the public

ren Mine, near Aberystwith, Sept. 12, 1871. - I visited and thoroughly uner the Cwm Elan Mine, from Rhayader, yesterday, and beg to submit to be following remarks on the concern:—The property is very advantageously ited for economical development, and is only six miles from the railway on, so that the conveyance of materials to the mine and the ores to market be chean.

station, so that the conveyance of materials to the mine and the ores to market station, so that the conveyance of materials to the mine and the ores to market will be cheap.

Within the sett, which is about one mile long, on the course of the east and west or main tode, and about the same width from north to south, there is a feed stream of water at nil seasons of the year, which can easily be made available for working water-wheels, for pumping from the mine, hauling, crushing, and washing the ores, and I need hardly point out to you that having such supply of water for those purposes is very important, and will be most valuable in the working of the mine compared with steam power, &c. The working of the mine compared with steam power, &c. The working of the mine compared with steam power, &c. The working of the mine consists of an adti level, driven a considerable distance by the side of the lode, which at a depth of about 16 fathoms from surface was cut into and found productive for lead and blende ores, from there on to the present end for about 50 fathoms long, the lode now in the end being full 6 feet wide, and turning out rich blende and lendstuff. This point is about 39 fathoms deep, and inging westward, the hill rises rapidly, so that by driving on the level it would son give backs of 80 or 90 fms., and I believe large deposits of lend laid open. A shaft has been sunk from surface 2.½ fathoms to the adti level, and being in a cautral position for the proper and further development of the mine, I would recommend it to be continued down as fast as possible for a 14 or 15 fm. level below the adt, and then drive out east and west in the ore ground, which, as large should be considered to the continued town as fast as possible for a 14 or 15 fm. level below the adt, and then drive out east and west in the ore ground, which, as large should be considered to the continued down as fast as possible for a 14 or 15 fm. level below the adt, and then drive out east and west in the ore ground, which, as large shoul

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the GREAT WHEAL BUSY MINING COMPANY.—By the direction of His Honor, the Vice-Warden, notice is hereby given, that on MONDAY, the 25th day of March inst., at kileren o'clock in the forenoon, at the Recistrar's Office, and the Control of the Companies of the Said Company of Comwall, this Court will PROCEED TO MAKE A CALL, of SIX SHILLINGS AND RIGHT PENCE PER SHARE on all the contributories of the said company settled on the List of Contributories of the said company as present members thereof. All persons interested therein are cattitled to attend at the time and place aforesaid to offer objections to such call.

Dated Registrar's Office, Truro, the 12th day of March, 1872.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the HARMONY AND MONTAGUR TIN AND COPPER MINING COMPANY (LIMITED).—ALL CREDITORS OF CLAIMANTS of the ABUVE-NAMED COMPANY who have not received notice from the Registrar of the said Court that their claims have been already adultted, are hereby required to COME in and PROVE THEIR SEVERAL DEBTS OR CLAIMS at the Registrar's Office, Trure, on Friday the 22nd day of March instant, at 11 clock in the forenoon, or in default thereof they will be EXCLUDED from the BENEFIT of any DISTRIBUTION made before such proof. And for the purpose on such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons) they are to send affidavits of their several debts or claims to the Registrar of the Court at Trure, such affidavits being sworn either before some Commissioner of the said Court or before any Court Judge, or any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

FREDERICK MARSHALL, Registrar.

Dated Truro, the 13th day of March, 1872.

In the Court of the Vice-Warden of the Stannaries.

IN the MATTER of the COMPANIES ACT, 1862, and of the HARMONY AND MONTAGUE TIN AND COPPER MINING COMPANY (LIMITED).—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCI'ON, on Friday, the 22d day of March Instant, at Twelve o'clock at noon, at the Harmony and Montague Tin and Copper Mine in the parish of Redruth, within the said Stannaries, in One or more Lots, and subject to such conditions as shall be then and there produced, the undermentioned

MINING MACHINERY, MATERIALS, AND EFFECTS, VIZ. :-MINING MACHINERY, MATERIALY, AND EFFECTS, VIZ.:—
Horse whim, beam and stand, pullies and shaft-tackle, smiths' crane, part of orane, piece of main rod, screw, derrick, miners' ladders, miners' tools, miners' closts, steel borers, rapies, glands, and iron, grindstone and frame, shovels, barrows, saw-pit frame and upright wood house, lot of lime, quantity of timber, and about 150 tons of tinstuff; account-house furniture, and other effects in general use in mines.

To inspect the above, apply to the baillif in charge, and for further particulars to Messas. HODGE, HOCKIN, AND MARRACK, Solicitors, Truro, Dated Registrar's Office, Truro, March 12, 1872.

RED HEMATITE IRON ORE MINES, SOUTH DEVON. MESSRS. HARDS, VAUGHAN, AND LEIFCHILD are instructed TO SELL, BY AUGTION, at the Mart, on Tuesday, March 19, 1872, at One for Two o'clock precisely, a very valuable HEMATITE IRON ORE PROPERTY, known as the

TORBAY IRON MINES.

TORBAY IRON MINES.

Situate within three miles of BRIXHAM, DEVON, together with the USE of the very complete and valuable MACHINERY, PLANT, and UTENSILS. The mines are at present in operation, and it is estimated that with a further small outlay large quantities of ore can be produced annually. The royalties are exceedingly moderate, amounting to only about is, 6d, per ton. Full particulars and conditions of sale may be had of Messrs, BARNARD and HARRIS, Solicitors, 1, Gresham-buildings, Basinghall-street, E.C.; or of the Auctioneers, 62, Moorgate-street, London, and Greenwich.

SWADLINCOTE DERBYSHIRE.

M ESSRS. POTT AND NEALE WILL SELL, BY AUCTION, At the Queen's Hotel, Burton-upon-Trent, on Tuesday, the 19th day of March, 1872, at Two for Tuee o'clock in the afternoon precisely, either in One Lot, or in the following or such other lots as may be agreed upon, and subject to such conditions as may be produced at the time of sale, the very cligible and highly valuable

FREEHOLD AND LEASEHOLD ESTATES.

FREEHOLD AND LEASEHOLD ESTATES,
Belonging to the surviving trustee of the will of the late Court Granville,
Esq., situate at SWADLINCOTE and CHURCH GRESLEY, in the county of
DERBY, and on ASHBY WOLDS, in the county of LEICESTER, comprising
378 ACRES 2 ROODS 31 PERCHES,
or thereabouts, of valuable FREEHOLD ARABLE, MEADOW, PASTURE, and
WOODLANDS, with the dwelling-houses, steam corn mill, cottages, pot works,
water works, and erections thereon. Also the Coal, Brick, and Pot Clay, and
all Minerals thereunder. Together with the

GRANVILLE COLLIERY,
Engines shafts relivery man plant of every description (both sur-

Engines, shafts, railways, machinery, and plant of every description (both surface and underground), and the various beds of coal in course of being worked, partly belonging to and partly on lease to the said trustee, and comprising an area of about 268 acres o rood 10 perches, situate in the parishes of Church Gresley and Asbby-de-la-Zouch, and immediately adjacent to or surrounding the said colliery.

area of about 200 acres of the control of the contr

of PASTURE LAND, in the occupation of William Carrick Crofts, and others containing in the whole 3 acres 2 roods 3 perches, or thereabouts, and situate at the other of Gresley, together with the Minerals to the depth of 100 yards from the surface.

LOT 3.—SEVEN CLOSES of FREEHOLD LAND, called the Pool Land, Church Gresley, in the occupation of James Beard, and containing 13 acres 2 roods 24 perches, or thereabouts (exclusive of minerals).

LOT 4.—FIVE CLOSES of FREEHOLD LAND, with a PLANTATION, situate on Asiby Wolds, and near to Woodville, in the occupation of T. Knowles' executors, and containing 20 acres 1 rood 22 perches, or thereabouts (exclusive of minerals).

LOT 5.—FREEHOLD DWELLING HOUSES, STEAM CORN MILL, BUILD INGS, GARDENS, and valuable PASTURE and ARABLE LAND, in the occupation of Benjamin Bridges, W. Cotterill, R. M. Dunn, Isaac Dawes, and others, containing in the whole 51 acres 0 rood 32 perches, or thereabouts, and situate at Swadlincote, together with mines and minerals, as more fully described in the particulars of sale.

LOT 6.—FREEHOLD DWELLING HOUSES, COTTAGES, BUILDINGS, COLLIERY PLANT, WATER WORKS, POT WORKS, RAIL WAYS, BRICK YARDS, and valuable arable, pasture, garden, and wood LANDS, known as the Granville Estate, at Swadlincote, with the GRANVILLE COLLIERY, situate on Swadlincote and Gresley Commons, containing in the whole 286 acres 3 roods 20 perches, or thereabouts, with the mines or minerals lying thereuader, as more fully described in the particulars of sale.

Also the fee simple in all scams of coal at present existing under part of Church Gresley, containing 88 acres 2 roods 26 perches, or thereabouts, with the mines or minerals lying thereuader, as more fully described in the particulars of sale.

Also the fee simple in all scams of coal at present existing under part of Church Gresley, containing 88 acres 2 roods 30 perches, or thereabouts, which lease is fully described in the particulars of sale.

LOT 7.—The BENEFICIAL REVERSION in the unworked COAL and other MINERALS lease

SLATE QUARRY FOR SALE.

TO BE SOLD, the RIGHTS and INTERESTS in the RESIDUE of a MINERAL LEASE for 21 years, from 1807, granted by the Crown, over 300 acres of land, in the county of MERIONETH, containing a valuable and well-proved SEAM of SLATE ROCK of undoubted quality, colour, and cleavage, possessing ample length and breadth, and abundant facilities for working.

Apply to Mr. WILLIAM WILLIAMS, Brown Horse Inn, Dolgelly.

REDBROOK TIN WORKS.

TO BE LET, and entered upon immediately, the REDBROOK TIN WORKS. These eligible premises are advantageously situated on the RIVER WYE, about two miles below Monmouth, adjacent to the Forest of Dean, and surrounded by extensive woods, affording an ample supply of charcoal They consist of ROLLING MILLS, FURNACES, FORGE, and other WORKS and MACHINERY adapted to the manufacture of TIN PLATES on an extensive scale, with an excellent dwelling house, garden, and offices, 20 cottages, and several closes of land, containing altogether about THIRTY ACRES.

These premises may be easily converted into sheet iron or wire works.
The authorised line of the Monmouth, coleford, and Usk Railway will pass near to these works, and afford easy communication with both mineral districts.

For further particulars, apply to Messrs, DA713 and JUSTICE, Solicitors, New-port, Monmouthshire; and Mr. MEDHURST, at the Works, will show the pre-mises.

In Chancery.

IN THE MATTER OF THE COMPANIES ACT OF 1867, AND IN MATTER OF THE OLD PARK IRON COMPANY (LIMITED

MR. HENRY DEVER, of 4, Lothbury, in the City of London, the Official Liquidator, gives notice that OFFERS of the PURCHASE of the PROPERTY in the disposition of the Lessees in the OLD PARK RS. TAFE, near Shifmal, Salop, will be RECEIVED by him up to March 20, 1872, at his office, as above.

TATE, near Shifmal, Salop, will be RECEIVED by him up to March 20, 1872, at his office, as above.

The RSTATE consists of about 1800 acres of land, and the whole of the ungotien measures of COAL, IRONSTONE, FIRE-CLAY, &c., thereunder, with a sufficient and valuable working plant for getting the same. There are also FOUR BLAST FURNACES, with all necessary machinery, and a large and valuable Forge and Mill Plant, comprising about THIRTY PUDDLING FURNACES, Three Metal Helves, One 60 cwt. Steam-Hammer, Two Forge Trains, 22 in. Plate Mill, 20 in. Sheet Mill, 10 in. and 5 in. Merchant Hoop and Guide Train, with Mill, ileating and Annealing Furnaces, Two Sets of powerful Guilliotine and other Shears, and all other the necessary engine and steam power for driving the same, together with the buildings, roofs, and erections.

The estate is intersected by tramways and permanent way gauge for conveying the minerals and from to and from the plus, blast furnaces, &c., and is in direct communication at the boundary of the estate with the London and North-Western and Great Western Railways.

The whole may be viewed by order, and any further information obtained, from Mr. DEVER, at No. 4. Lothbury, London, E.C.; and the particulars of the leases may be had on application to Mr. R. D. Newill, Solicitor, Wellington, Salop; or of Messrs. Sharp and Ullithoung, No. 1, Field-court, Gray's Inn, London, W.C.

MID-LOTHIAN.

ADJOURNED SALE-UPSET PRICE REDUCED.

THE ESTATE of ALDERSTONE, as fully described in recent advertisements, WILL BE SOLD, BY PUBLIC ROUP, within Dowell's Sale Rooms, 18, George-street, Edinburgh, on Wednesday, the 27th inst., at Two o'clock in the afternoon (if not previously disposed of by private bargain). Apply to Mr. John M. Bell, W.S., 2, Park-place, Edinburgh.

O LET, AND MAY BE ENTERED UPON IMMEDIATELY,

TO LET, AND MAY BE ENTERED UPON IMMEDIATELY, all those EXTENSIVE COAL MINES, under 2800 acres, or thereabouts, of THE NEWSTEAD ABBEY ESTATE,

Containing the "Top Hard Coal," in its best section, and all other seams of the district, so completely developed in the Hucknall and other collieries to the south, the Annesiey Coiliery to the west, and the Portland and other coilieries to the north and north-west, all in full activity, and raising very considerable tonnages of coal annually.

The estate is intersected by the Mansfield and Nottingham Railway, being distant from the latter town about 11 miles. Pits may be sunk close to the public railway, and access afforded thereto, over a perfectly level part of the estate. A large acreage will be dedicated by the proprietor for the establishment of cottages, and for a plant of the largest magnitude.

The re is abundant water on the surface for all engines and other purposes, and there is a private station belonging to the estate, which, under arrangement, may be transferred for public use.

The depth of the pits to the Top Hard Coal may be confidently assumed not to exceed 240 fathoms, and from the experience of the Annesley Collieries, which are sunk a few yards to the west of the Newstead Abbey Estate, there is littly or no water whatever below a depth of 150 feet from the surface.

A lease will be granted for a long torm of years, and all the usual facilities for mining purposes.

The favourable prospects of this large field, free, so far as the adjacent col-

A lease will be granted for a long term of years, and all the usual facilities for mining purposes.

The favourable prospects of this large field, free, so far as the adjacent collectes afford information, from dykes, with the "Top Hard Coal" in excellent section and quality, and the position of the estate so favourable for the supply of the London and local markets, render it the safest and most reliable of the few remaining coal fields now unlet in the district.

For all information as to the estate, the most eligible site for the pits, and the terms on which it is proposed to let the coal mines, application may be addressed to Messra. Domylles, Lawrence, and Granam, 6. New Square, Lincoln's Ind. London; or to Mr. William Armstrong, Pelaw House, Chester-le-atreet.

None but principals, or their mining engineers, and who are prepared to open out the colliery upon a large scale, will be treated with.

RARE OPPORTUNITY FOR MAKING A FORTUNE.

RARE OPPORTUNITY FOR MAKING A FORTUNE.

TO BE SOLD, PART OR ENTIRE (former preferred) of a COLLIERY ROYALTY, of about 170 acres, in NORTH WALES. The pit is sunk 40 yards deep to the seam, containing the best description of Cannel. There are a vother seams of good coal (the first being King coal, only 14 yards under 1t) known to be beneath this seam. Its situation being half a mile from a railway station, and also admirably adapted for land sale, close to excellent roads, the working expenses, royalty, rent, and outlay small for a probable get in a few weeks of 460 tons daily at an almost fabulous profit, render the present undertaking one well worthy the immediate attention of capitalists, coal dealers, gas manufacturers, or colliery proprietors.

Address, "Q. E. D," care of Watson, 15, Fenwick-street, Liverpool.

COLLIERY

FOR SALE, with immediate possession, the ELY MERTHYR COLLIERY, in the ELY VALLEY, near LLANTRISSANT, in the country of GLAMORGAN. The property comprises about 259 acres, and is held under lease on favourable terms. It has a mile of frontage to a railway, and is but if miles distant from the port of Cardin. All the necessary FLANT, ROADS, SIDINGS, &c., exist for working the colliery, and a large immediate output can be made. The small coal makes the best coke in South Wales.

Many valuable seams of coal are still intact, and may be won at small outlay. Altogether the colliery is most promising, and well worth the attention of capitalists.

The vendor, being a trustee, is desirous of effecting an immediate sale, and to do so will accept low terms.

For further particulars, apply to JOSEPH ROWLANDS.

For further particulars, apply to Joseph Rowlands, Esq., Solicitor, Annstreet, Birmingham; or Mr. James Bunkle, Public Accountant, Waterlootreet, Birmingham.

TO CAPITALISTS, AND OTHERS,

FOR SALE, a VALUABLE WELSH LEAD MINE, in a For further information, apply to Mr. FRED, OWEN, Tanyelawdd, Ruabon, North Wales.

TIN MINING SETT FOR SALE.

PO BE DISPOSED OF, BY PRIVATE CONTRACT, all that PROMISING SETT called WHEAL MARY LOUISA, situate in the parish I LANIVET, in the county of CORNWALL.

For further particulars, apply to Mr. E. Nicolls, Solicitor, Callington.

MANGANESE, CALAMINE, BLENDE, AND IRON ORE

FOR SALE.

EVERAL EXCELLENT MINING PROPERTIES FOR DISPOSAL, offering favourable opportunities for investment to small and moderate capitalists.

Address, Woods and Co., Mining and Mineral Agents, 7 and 8, Muelle, Santander, Spain.

THE LITTLE VAN LEAD MINE, LLANIDLOES.

TO BE LET OR SOLD, the MOST IMPORTANT MINERAL and FARMING PROPERTY, called

Adjoining the famous Van Lead Mine on the north-west, one field belonging to the Van Mountain. The Van Company are now opening on a lode near this field. Soft Ceirch estate having exchanged hands, brings to market this most important mineral property.

The family of the late tenant have lived upon the farm 160 years, and have from time to time turned up large lumps of lead from the back of the lode in course of ploughing, and learing they would lose their farm, nover named it.

This property is freehold. This estate is south-west of the old famous Pen-y-Clyn, and also the old Bryn Tile estates. The Little Van is abutted by three of the greatest lead mines yet found in the four kingdoms, and according to the geological survey all the lodes from Plynlimono concentrate themselves in the Van district.

Van district.
For further information application to be made to Mr. Joseph Jukes, Birkenhead.

HEMATITE ROYALTY IN CUMBERLAND.

TO BE LET, the ROYALTY of HEMATITE IRON ORE, under lands at or near to FLOSH, in the parish of CLEATOR, in the county of CUMBERLAND, and adjoining to the Mines of the CLEATOR IRON Further particulars may be had by applying to Messrs. LUMB and Howson, Solicitors, Whitehaven, by whom tenders will be received up to Saturday, the 18th March, 1872.

TO BE LET, AREA 1,000 TO 3,000 ACRES OF VALUABLE SEAMS OF COAL, suitable either for blast furnaces, steam, or household purposes, most eligibly situated, being close to direct lines of railway, which can through the estate, nearly on a level, also little more than a mile from a

avigable river.
For further particulars apply to G. M. DIXON, Esq., Bradley Hall, Ashbourne, erbyshire; or to Mr. B. MART, Mining Engineer, Stoke-upon-Trent.
None but bona fids parties need apply.

TO BE LET, ON LEASE, for a term of years, SEVERAL ACRES of LAND, suitable for MANUFACTURING PURPOSES, advanageously situated on the south bank of the River Tyne, about two miles below sewcastle-on-Tyne, and within a quarter of a mile from the North-Eastern Sallway. There is a good quay frontage, with deep water.

Apply to Mr. T. S. BRAMWELL, King-street Quay-side Newcastle-on-Tyne.

FOR SALE, a high-class 25-horse power PORTABLE STEAM ENGINE; also, a 16-horse power, with or without reversing gear.

FOR SALE, cheap, several first-class second-hand PORTABLE STEAM ENGINES, 3 to 14 horse power, in excellent order.

PIT WINDING GEAR made at a short notice suitable for portable engines FOR SALE, a first-class MORTAR MILL.

NGIN WINDING GEAR MADE TO THE WINDING SEARCH AND STEWART, ENGINEERS, BANBURY.

BARROWS AND STEWART, ENGINEERS, BANBURY.

ESTABLISHED 1860.

FIRST BRATTICE CLOTH AND GREASE WORKS ESTABLISHED IN WALES AND SOUTH OF ENGLAND.

BRATTICE CLOTH! PATENT (PERFECTLY AIR-TIGHT). DOOR CLOTH.

Telescopic Sheet Iron Air Tubing. Will last for years, and can be fitted in any lengths, and easily take down the pit.

Also, Galvanised TUBING; Canvas Flexible TUBING.

With iron hoops and hooks fitted complete.

Ten yards can be packed in small space, and a man may carry 20 yards easily.

TRAM GREASE and OIL, 5s., 6s., 7s., and 8s. 6d. per cwt.

GEO. J. MAY,

THE GREEN, NEATH, SOUTH WALES.

ALEXANDER SMITH,

CONSULTING ENGINEER, AGENT, AND VALUER OF PLANT AND MACHINERY. 28, EXCHANGE, BIRMINGHAM,

BOURNE STREET AND CASTLE STREET, DUDLEY. ESTABLISHED 1848.

TANK LOCOMOTIVES FOR SALE, CHEAP.

From 12 in. to 13 in. cylinder. Four wheels coupled. In first-class order, and can be delivered immediately.

Also, a splendid 21-in. FLATE MILL; three sets of housings, with spare rolls, complete. ALEXANDER SMITH,

CONSULTING ENGINEER, AGENT, AND VALUER OF PLANT AND MACHINERY, DUDLEY.

FREDERICK MIRLS, ENGINEERING AUCTIONEER, VALUER AND SURVEYOR. 17, ST. ANN'S SQUARE, MANCHESTER.

McNIEL, MULLER, AND CO., MANCHESTER,

SOLE AGENTS FOR { "S. B. HÆMATITE," } PIG IRON;

"S. B. YORKSHIRE," } PIG IRON;

AGENTS FOR JACKSON, GILL, AND CO., IMPERIAL IRONWORKS, NEAR MIDDLESBOROUGH;

DARLINGTON WAGON COMPANY, DARLINGTON.

SCOTCH, HÆMATITE, STAFFORDSHIRE, DERBYSHIRE, FOREST OF DEAN, COLD BLAST AND REFINED PIG IRON, PUDDLED BARS AND BAR IRON, GTEEL, SPELTER, TIN, COPPER, LEAD, SHEETS, ORES, &c.

JOHN BOURNE AND CO.,

ENGINEERS, SHIPBUILDERS, AND CONTRACTORS, BLOWING ENGINES, WINDING ENGINES, Bourne's Patent Spherical Governors, Bourne's Patent Feedwater Heaters, Bourne's Patent Gas Fornaces, Bourne's Patent Coal dust Furnaces, PUMPING ENGINES, STEAM BOILERS, 66, MARK LANE, LONDON.

HANDASYDE'S BOILER COMPOSITION

(C. H. HANDASYDE AND CO., DALKEITH, N.B.)

For the REMOVAL and PREVENTION of INCRUSTATIONS in STEAM BOILERS, is in extensive use among Collieries, fromworks, and Milisin Scotland; also, with great success, on the North British Railway Company's Locomotives.

Net price, 12s. 6d. per cwt.; it over, orders carriage paid; free from acids. A TRIAL SOLICITED.

SPECIALLY RECOMMENDED for LOCOMOTIVES, being completely solvable.

SPECIALLY RECOMMENDED for LOCOMOTIVES, being completely soluble in water, and only requires to be put into the tender.

THE BURLEIGH ROCK DRILL



THE BEST AND ONLY PRACTICAL DRILL.
IT DOES NOT GET OUT OF ORDER.

SPECIALLY ADAPTED FOR SINKING AND MINING PURPOSES.

PROGRESSES through Aberdeen granite at the incredible rate of 10" per minute.

SAVES £5 a day as compared with hand labour, independent of the enormous saving effected in the general expenses, such as PUMP-ING, VENTILATION, INTEREST OF CAPITAL, &c., from the fact of the "put out" being increased four-feld.

DRILL POINTS.—The saving in steel alone
is considerable. One drill will go through
20 feet of Aberdeen granite without sharpening.

Orders received and executed solely by-

Messrs. CHAS. BALL & CO.,

21, NEW BRIDGE STREET, E.C., LONDON, ENGINEERS, CONTRACTORS, AND GENERAL MERCHANTS.

I etters Patent for New Inventions.

-HASELTINE, LAKE, and CO., obtain Home, Foreign, and Colonial Patents on favourable terms. Instruction and charges on application.

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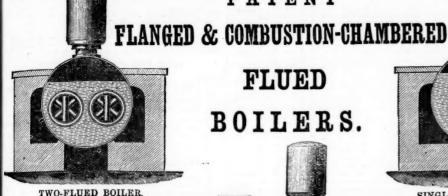
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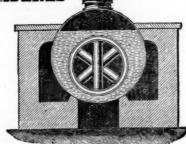
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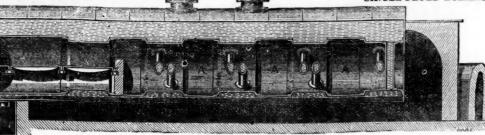
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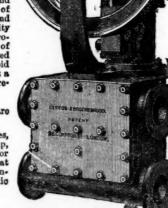


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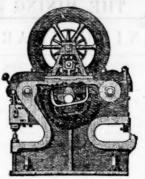


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ŀ	London and Provincial	4			par		pra.
ı	London and San Francisco	10	0	0	514	616	po.
)	London and South African	20			14%		
Ĺ	London and Westminster	20			64		
١	London Chartered of Australia	20	0	0	251/4	2614	
•	Lendon Joint Stock	15			4454		
ı	National of Australasia	4	0	0	1	11%	pæ.
ı	National Provincial of England.	42	0	0	142 1		
۱	New South Wales	.20	0	0	36	38	
	Oriental Bank Corporation	25	0	0	46	47	
	Provincial of Ireland	25	0	0		91	
	Union of Australia	25	0	0	4214	43%	
	Union of London	15	0	0	AA	45	

į	Union of Australia 25 0 0 42% 43%
Ì	Union of London 15 0 0 44 45
	TELEGRAPHIC COMPANIES.
C	Anglo-American*£100 0 0118 120
ζ	Anglo-Mediterrancan* 100 0 0170 175
ŀ	British Australian* 10 0 0 94 9%
ŀ	British Indian Extension 10 0 0 114 13
i	British Indian Submarine* 10 0 0 10% 11%
ŀ	China Submarine* 10 0 0 916 1%
ì	China Submarine* 10 0 0 934 134 Cuba* 10 0 0 8 834
i	Falmouth, Gibraltar, & Malta* 10 0 0 111/4 111/4
i	Société Transatiant, Française., 20 0 0., 221/4 23
,	Submarine
ì	West India and Panama* 10 00. 6% 6%

10	West India and Panama* 10	0 0 6% 679
	COLONIAL RAILWA	YS.
100 Stock Stock Stock 100 100 Stock 201/4	Atlantic and St. Lawrence	0 0 99 101 0 0 87 90 0 0 103¼ 103¼ 0 0 20¼ 20¼ 0 0 99 101

MISCELLANEO	US	3.		- 450
10 Anglo-Mexican Mint 25 Australian Agricultural 25 Austral. Mortgage, Land, & Fin. 10 British and Foreign Tramway. 25 Canada Company 25 Conada Company 25 Cop. Minera of Kngl. (7 p. c. prt.) 26 Credit Foncier of England. 10 Edinburgh Tramway 10 Hooper's Telegraph Works* 10 Tharsis Sulpnur and Copper Co. 10 Ditto.	10 21 5 25 35 25 8 27 10	0 10 0 0 0 0 0 0 0 0	0 0 0 0 0	28 99 1 1% pm. 3% 4 pm. 79 81 24 23 ds.

b, blende; cl. coal; c, copper; g, gold; l, lead; s, aller;
sl, slate; s-l, sliver-lead; s, th; z, slac;
Limited Liability Companies; † quoted on the Suck Echange; ‡ have paid Dividends.

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